THE

TWENTY-SIXTH REPORT

OF THE

WHITBY LITERARY & PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, Oct. 27, 1848,

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

Bridge on the Whitby & Pickering Railway, 1836.

WHITBY:

PRINTED FOR THE SOCIETY, AT THE OFFICE OF R. KIRBY AND SON, CHURCH STREET.

1848.

BRITISH MUSEUM
NATURAL HISTORY

TWENTY-SIXTH REPORT.

The Council of the Whitby Literary and Philosophical Society, in compliance with the rules and regulations of the Institution, and the practice of their predecessors, have now to fulfil the final duty of their office, by presenting a brief report of the transactions of the Society during the twenty sixth year of its existence.

The Council have to regret that the operations of the Society have been unusually limited and unimportant; no Essays having been read, nor Lectures given in immediate connexion with the Institution, during the past year, a reproach which they hope their successors may not have occasion to repeat.

The state of the finances of the Society will be best understood by a reference to the Treasurer's Accounts, which are annexed. The purchase of the splendid and valuable specimen of Plesiosaurus, from the Marquess of Normanby, last year, notwithstanding the liberal subscription then entered into, has increased the Society's

liabilities; and unless another appeal be made to the members for a subscription to liquidate the debt at the Bank, it must necessarily be some years before a synopsis of the contents of the Museum, so much wanted, can be published, or any farther additions or improvements made in the Museum. The Plesiosaurus has been arranged in a temporary manner in the Museum; but it merits being better displayed.

The introduction book shews that only 270 strangers have visited the Museum during the year, either by personal introduction, or by ticket; there has consequently been a falling off in the amount of receipts from this source, only £3 having been received for the admission of strangers.

The donations to the Museum have not been very numerous: the Archælogical Institute of Great Britain has presented an elegant Map, mounted and varnished, of British and Roman Yorkshire, showing the situation of the Roman Camps, Roads, and Antiquities of the district. Mrs. George Clark has again given some valuable donations to the Museum, chiefly of British Shells.

It is with feelings of deep and sincere regret that your Council have to record the irreparable loss which the Society has sustained by the death of one of the most distinguished of their body, the Reverend George Young, D. D., one of the founders of the Society, one of the Secretaries, and for upwards of a quarter of a century, one of the most active and liberal supporters of the Institution. He was a pious, learned, intelligent, and instructive Lecturer on popular, scientific, and antiquarian subjects; and it was mainly owing to his fostering care and direction that your Museum has obtained so distinguished a reputation as a rich depository of the beautiful and gigantic fossil organic remains of a former world, for which the lias formation of the vicinity of Whitby has long been celebrated; and which, but for the establishment of such a local depository, might still have remained entombed in the rocks, or been manufactured into Roman Cement; or perhaps been used for repairing the highways of the neighbourhood. It will be gratifying to the Members of the Society to learn that a talented native Artist, Mr. George Croft, anxious to testify his respect for the memory of the Historian of

Whitby, has promised to paint for the Society a portrait of Dr. Young, as a companion to that of the late Mr. Bird, for many years his associate and fellow labourer in his geological pursuits. It will be one of the duties of the present meeting to elect a Secretary, as successor to the late Dr. Young.

The Council have great pleasure in noticing the continued gratuitous services of Mr. M. Simpson in arranging and marking the contents of different departments of the Museum, a work of great labour. It is fortunate for the Society, under present circumstances, that in addition to the possession of talents, and time, and taste for the task, Mr. Simpson has also the disposition to exert them in the cause of science, for it is purely on his part, "a labour of Love."

LAWS AND REGULATIONS.

1. The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half a Guinea* annually, shall be Members of this Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any Annual Subscription, shall be Governors of the Society.

3. The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight Members, shall form the Council of the Society.

4. The Council shall meet, for transacting business, on the first Thursday of every month, or as often as they shall find necessary; and three Members shall form a quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the Report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of members, *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be introduced by any member, or may be admitted on such terms as the Council shall fix. On special occasions,

the Curators or the Secretaries may admit members or strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9. After the Society has existed for one year all new members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, as well as persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. The museum shall be open to the public one day in each month, under such restrictions as the Council may deem necessary.

12. The proportion which each member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations shall be returned, if required, to the donors, or their representatives; and all members who have sold property to the Society at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative: but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life-Governor shall not be exempted from the Annual Subscription of Half a Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14. The annual subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any Member shall neglect paying his subscription for two years, he shall after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage to the property of the Society, that Member shall make good to the Society the loss or damage so sustained.

16. Any Member, who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council, without effect, for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society, held for that purpose.

17. Each Member on his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he shall continue a Member of it.

18. These Laws may be amended or enlarged, at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

RULES FOR ADMISSION TO THE MUSEUM,

Adopted by the Council, and confirmed by the General Meeting.

1. The Museum shall be open from half-past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day except Sundays, by applying at the Baths.

2. Any member or subscriber may introduce, personally, or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilling each for admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

3. Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the members introducing them, shall be entered in a book kept for that purpose in the Museum.

5. No person introduced into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7. The Museum shall be open to the public on the first Monday in each month, from Eleven to One, under the following restrictions:—

(1.) The admission shall be by ticket, given by any member or subscriber.

(2.) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR THE YEAR 1849.

Patron.

THE MOST NOBLE THE MARQUESS OF NORMANBY.

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HENRY BELCHER, ESQ.

Vice-Presidents.

C. RICHARDSON, ESQ. | T. FISHBURN, ESQ.

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W. H. CRAMP, ESQ.
JOSEPH HUNTER, ESQ.
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MR. JOHN WILSON.

Governors by Subscription.

THE MOST NOBLE THE MARQUESS OF NORMANBY.
THE RIGHT HONORABLE THE EARL OF MULGRAVE.
THE RIGHT HONORABLE LORD FEVERSHAM.
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A. CHAPMAN, ESQ.
COL. G. CHOLMLEY.
H. W. YEOMAN, ESQ.
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MR. M. SIMPSON.

Secretaries.

DR. DOWSON. | MR. RICHARD RIPLEY.

Curators.

T. W. BELCHER, ESQ. | DR. MERRYWEATHER.

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The Most Noble the Marquess of Normanby.

The Right Honorable the Earl of Mulgrave.

The Right Honorable Lord Feversham.

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Mr. Gideon Buck.
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Mr. Thomas Fletcher.
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Mr. Ralph Horne.
Mr. John Hugill.
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Mr. W. R. Hunter.
Mr. Robert Kirby.
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Rev. Arthur Lupton.
Dr. G. Merryweather.
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Mr. Silvester Reed.
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Mr. Joseph Sanders.
Mr. Martin Simpson.
Mr. M. L. Simpson.
Gideon Smales, Esq.
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Frederick Swanwick, Esq.
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Mr. John Taylerson.
Mr. George Trueman.
Mr. Thomas Turnbull.
Edmund Turton, Esq.
Mr. George Vasey.
Mr. Francis Watkins.
Thomas Watson, Esq.
Mr. George Watson.
Mr. John Weighill.
James Wilkinson, Esq.
Mr. John Wilson.
H. W. Yeoman, Esq.

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Mr. Waddington.
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Mr. Andrew Sanders,..... *Stockton.*
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Arthur Strickland, Esq.,..... *Bridlington Quay.*
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Mr. Thomas Wellbank,..... *London.*
Mr. James Wilcox,..... ... *Hovingham.*
Mr. J. Williamson, ... *Scarborough.*
Thomas W. Wilson, Esq., ... *Barnsley.*

BRIT. MUS
15 JUN 29
NAT. HIST.

DONATIONS PRESENTED TO THE MUSEUM,

Since the publication of the Twenty-fifth Report.

The Archæological Institute.—An elegant Map, mounted and varnished, of British and Roman Yorkshire.

Mr. Gideon Buck.—Two very rare and good Ammonites from the Lias, near Whitby.

Mrs. George Clark.—Sundry British Shells, including some rare species; and the jaws of the common Skate.

Mr. John Cooke Haddan, London.—His monthly List of Patents granted for England.

Miss Gardiner.—Several Serpents from the East Indies, preserved in spirits.

Leeds Philosophical and Literary Society.—Their Report for 1847—1848.

Scarborough Philosophical Society.—Their Report for 1848.

Mr. M. Simpson.—Sundry British Shells.

— *Stothard, Esq., London.*—Lithographic Map of Antiquities, found in some recent excavations in the City of London.

Mr. W. Trueman, Durham.—Two Volumes of the Transactions of the Surtees' Society.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY.

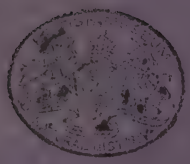
IN ACCOUNT WITH THE TREASURER.

1848.	Dr.	£.	s.	d.	1848.	Cr.	£.	s.	d.
Oct. 27	To Rent of Museum.....	15	0	0	Oct. 27	By Balance in Treasurer's hands....	8	12	6
	— J. Chapman, Esq., Interest	3	4	0		— Annual Subscriptions received ..	28	11	6
	— Printing, Stationery, Coals, and incidental expenses	7	11	8		— Subsciptions for the purchase of the Plesiosaurus	39	12	0
	— Cash paid into Bank	70	11	7		— Cash from Savings Bank	13	10	1
						— Cash for Admissions	3	0	0
						— Due to Treasurer.....	3	1	2
		£96	7	3			£96	7	3

R. Kirby and Son, Printers, Church Street.

BRITMUS 15 MAR 29

BRIT. MUS.
15 JUN 29
NAT. HIST.



TWENTY-SEVENTH REPORT

OF THE

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 26th, 1849;

WITH THE

RULES FOR ADMISSION TO THE MUSEUM;

A LIST OF THE OFFICERS AND MEMBERS OF THE SOCIETY;

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

WHITBY BRIDGE, ERECTED ABOUT 1630, REMOVED IN 1833.

WHITBY:

PRINTED BY HORNE AND RICHARDSON.

—

1849.

BRITISH MUSEUM
NATURAL HISTORY

The Twenty-seventh Report.

THE Council of the Whitby Literary and Philosophical Society have now the duty of presenting to the Twenty-seventh Annual Meeting, a concise view of the present state and prospect of the Institution.

It has seldom happened, in a Society like ours, established chiefly for the purpose of promoting the peaceful pursuits and interests of Science and Literature, that much has occurred in the course of a single year, to call for lengthened remark.

Mr. Martin Simpson has continued his very valuable gratuitous labours in re-arranging and labelling different departments of the Museum.

Several new Members have to be proposed for admission at this Meeting; some of whom have, for several years, been liberal donors to the Museum.

A course of Six Lectures, on "the Curiosities of Natural History," by Thomas Rymer Jones, Esq., F.R.S., &c., Professor of Comparative Anatomy, in King's College, London, were the only ones delivered in connexion with the Society, during the past year. Notwithstanding the distinguished reputation of Professor Jones, as a Lecturer and Naturalist, and his splendid and extensive illustrative Diagrams and Specimens, the latter furnished by the Society, and the

additional patronage of the Institute of Popular Science, your Council regret to report that these Lectures failed to attract an audience sufficient to pay the expenses; if, therefore, one of the most distinguished of popular Lecturers, has failed to attract an audience, it becomes a question of importance to determine upon some other, perhaps less formal mode of communicating topics of interest, than the delivery of a regular course of Lectures, or the more stately reading of an Essay.

Your Council cannot but again remark the failure of native talent, in bringing forward Essays or Lectures on Literary, or Scientific subjects. In this respect your Society suffers, on comparison with similar local institutions; this, probably, is the result of some peculiarity in the construction, or management of the Society, but to whatever cause it may be attributable, it is a circumstance much to be regretted, and calls loudly for improvement. Your Council are aware of an impression, that scientific subjects are generally dull and uninviting—it is because they are so seldom brought under the general view. Science, in all her various forms, needs only to be seen and heard to be admired. The trial of a system of *Conversazioni*, at stated monthly, or other periods, which has been successfully adopted in some of the Metropolitan Institutions, deserves the consideration of the Society.

Upwards of a year ago, Dr. Scoresby expressed his intention and wish to present sundry Philosophical

and Mathematical Instruments, chiefly of his own construction, to some Institution in his native town, rather than elsewhere. This kind intimation has been referred to in public; and, is a subject deserving the immediate and serious consideration of the Society.

The possibility of an union with the Institute of Popular Science, has occurred to some of the Members of the Council, and the purchase of the Bath Building for mutual accommodation, to be invested in the hands of Trustees might probably satisfy Dr. Scoresby of the permanency of the Institution, and thus secure to his native town, the presentation and preservation of those highly valuable monuments of the ingenuity and industry of one of the brightest ornaments of Science and of Society.

The Council finding that but very few of the Members attend the Meetings, or appear to take much interest in the affairs of the Institution, have considered it best to publish the following statement of their liabilities, in order that every Member may know exactly the position of the Society.

	£.	s.	d.
To John Chapman, Esq. (Bond for)	80	0	0
— Balance due to the Bank	70	8	1
— Balance due to the Treasurer	7	9	6
	£157	17	7

The Council are not aware of any other outstanding debt. Arrears of Subscriptions have from time to

time occurred, in consequence of changes of residence, or other circumstances, over which your Council had no control, but they have never been to any great amount.

The entire liquidation of this debt is most desirable, but without the aid of a Subscription, or a Bazaar, or a very greatly extended List of Subscribers, it must necessarily be a work of time.

The progress of the Museum has, on the whole, been steady and satisfactory; if, on the one hand, no rapid stride has been made, your Council have, on the other, the pleasure to report that no ground has been lost; and it cannot fail to be pleasing to the Members of the Society to reflect, that at a trifling cost, they have been enabled to afford to the eye of the curious and reflecting traveller, a rich gratification, when examining the collections which the Museum now contains,—the increasing interest taken in such local depositories being satisfactorily shewn, both by the number of visitors (upwards of 400) during the year, and the greatly increased amount (£8) received for admission.

Rules for admission to the Museum,

Adopted by the Council, and confirmed by the General Meeting.

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(3) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

Officers for the Year 1850.

PATRON.

THE MOST NOBLE THE MARQUESS OF NORMANBY.

PRESIDENT.

HENRY BELCHER, ESQ.

VICE-PRESIDENTS.

C. RICHARDSON, ESQ. | T. FISHBURN, ESQ.

TREASURER.

JAMES WILKINSON, ESQ.

COMMITTEE.

W. N. CLARKSON, ESQ.,
W. H. CRAMP, ESQ.,
REV. G. KEASLEY,
MR. GEORGE PARKE,
MR. F. K. ROBINSON,
JOHN TAYLERSON, ESQ.,
MR. GEORGE VASEY,
JOHN WILSON, ESQ.

GOVERNORS BY SUBSCRIPTION.

THE MOST NOBLE THE MARQUESS OF NORMANBY,
THE RT. HONORABLE THE EARL OF MULGRAVE,
THE RT. HONORABLE LORD FEVERSHAM,
ROBERT STEPHENSON, ESQ., M.P,

A. CHAPMAN, ESQ.,
COL. G. CHOLMLEY,
H. W. YEOMAN, ESQ.,
T. CHAPMAN, ESQ., F.R.S.
E. W. CHAPMAN, ESQ.,
J. CHAPMAN, ESQ. (N.B.)
MR. M. SIMPSON.

SECRETARIES.

DR. DOWSON, | R. RIPLEY, ESQ.

CURATORS.

T. W. BELCHER, ESQ., | DR. MERRYWEATHER.

Members of the Society.

The Most Noble the Marquess of Normanby.
The Right Honorable the Earl of Mulgrave.
The Right Honorable Lord Feversham.

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Henry Belcher, Esq.,
T. W. Belcher, Esq.,
J. C. Bewick, Esq.,
John Blanchard, Esq.,
Mr. Richard Brewster,
Mr. Gideon Buck,
Aaron Chapman, Esq.,
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Thomas Watson, Esq.,
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Mr. John Weighill,
James Wilkinson, Esq.,
John Wilson, Esq.,
H. W. Yeoman, Esq.

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Joseph Barker, Esq.,
Henry Barrick, Esq., (W. S.)
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G. H. Holtby, Esq.,
Mr. Malam,
Mrs. John Richardson,
Mr. Waddington,
James Walker, Esq.

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Professor Louis Agassiz, M.D., ... *Neufchatel.*
Rev. Henry Acheson, B.A., F.C.P.S.,..... *London.*
Rev. R. J. Barlow,..... *Hutton Rudby.*
Mr. William Bean,..... *Scarborough.*
Charles Belcher, Esq., ... *Warwick.*
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Thomas Clark, Esq., ... *Liverpool.*
Mr. Christopher Crawford, ... *London.*
Timothy A. Curtis, Esq., ... *London.*
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Captain Stephenson Ellerby,..... *London.*
Dr. W. H. Foster, (Surgeon) R.N., ... *Woolwich.*
William Fryer, Esq.,..... *Newcastle.*
Mr. J. Gillott, ... *Scarborough.*
Rev. J. Gleaves, B.A., ... *Rothwell, Northamptonshire.*
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Rev. W. V. Harcourt, F.R.S., F.G.S., ... *York*
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Rev. J. Rutherford, ... *Channelkirk.*
Mr. Andrew Sanders, ... *Stockton.*
W. D. Saull, Esq., F.G.S., &c., ... *London.*
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Rev. A. Sedgwick, D.D., F.R.S., F.G.S., &c., ... *Cambridge.*
Wakefield Simpson, Esq., ... *Paramatta, New South Wales.*
Rev. W. Stobbs, ... *Stromness.*
Arthur Strickland, Esq., ... *Bridlington Quay.*
Mr. William Trueman, ... *Durham.*
Rev. W. Turner, ... *Manchester.*
W. J. West, Esq., ... *Tunbridge.*
Mr. Thomas Wellbank, ... *London.*
Mr. James Wilcox, ... *Hovingham.*
Mr. J. Williamson, ... *Scarborough.*
Thomas W. Wilson, Esq., ... *Beverley.*

Donations Presented to the Museum,

Since the publication of the Twenty-sixth Report.

Captain Becroft.—A Negro's Belt; three Bottles of Serpents, preserved in spirits; three Bird's Nests; two Skins of Quadrupeds; and a Chief's Hat, ornamented with Feathers, all from the Coast of Africa.

Thomas Wm. Belcher, Esq.—Head of a small Fish.

Mr. Geo. Berry.—A fine Head of the Dolphin. *(Delphinus Delphis.)*

Mr. John Bolton.—A pair of Black Grouse.

Mrs. Geo. Clark.—Upwards of 100 specimens of British Shells and Insects; and a finely prepared Skeleton of the Flounder. *(Platossa Flesus.)*

Mrs. Clark (Hollins House).—Fossil Remains of Saurian Animals, from the Lias Ironstone, at Grosmont.

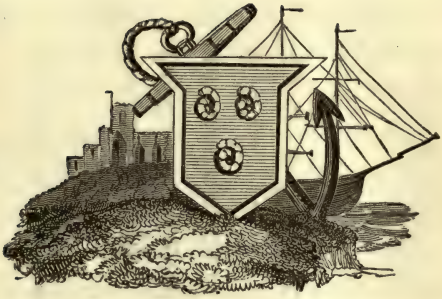
Mr. Edward Dowson.—A collection of Dried Plants.

Mr. John Cooke Haddan (London).—His monthly List of Patents.

Mr. William Morley, Jun.—Three new species of Ammonites, from the Lower Lias, at Robin Hood's Bay; and a fine specimen of Pecten Major (Young and Bird), from the Lias Limestone, at Grosmont.

Mr. Richard Ripley.—Some British Insects; and about 100 specimens of Fossils, from the Lower Lias, at Robin Hood's Bay, and the Inferior Oolite, at Peak.

Mr. Martin Simpson.—Sixteen specimens of British Shells, some of which have been but recently discovered; about 80 specimens of Lias Fossils, many of which are rare varieties; and a collection of Dried Plants.



WHITBY LITERARY AND PHILOSOPHICAL SOCIETY
IN ACCOUNT WITH THE TREASURER.

Dr.

October 26th, 1849.	£.	s.	d.
To Balance paid Treasurer	3	1	2
— Rent of Museum	15	0	0
— Jno. Chapman, Esq., Interest on Bond	3	4	0
— Printing Reports, Coals, and Incidental Expenses	17	9	10
— Cash paid into Bank	10	10	0
	£49	5	0

Cr.

October 26th, 1849.	£.	s.	d.
By Subscriptions received	33	15	6
— Cash for admission of strangers	8	0	0
— Cash due to Treasurer	7	9	6
	£49	5	0

BRIT. MUS. NAT. HIST. 15 JUN 29

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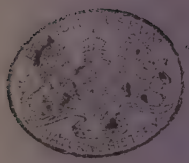

THE

TWENTY-EIGHTH REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 18th, 1850:

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

DONATIONS PRESENTED TO THE MUSEUM.

Whitby Bridge.

WHITBY:

PRINTED BY SILVESTER REED, OLD MARKET PLACE.

1850.

BRITISH MUSEUM
NATURAL HISTORY

Twenty-Eighth Report.

IN meeting the Society on the present occasion, the Council have but little to report; that little is however of a pleasing and satisfactory character; more especially as regards the Museum, which is still under the very efficient gratuitous and much needed remodeling and relabeling operations of Mr. Martin Simpson:—to the manifest improvement of every department which he has touched—operations which will very greatly facilitate the labours of those who may hereafter be engaged in drawing up, what is now frequently enquired for, and almost indispensable—a general manuscript Catalogue of the contents of the Museum: a brief abstract or synopsis of which might be printed, and sold at a small cost to strangers and others; and in the absence of a keeper or sub-curator, would serve

as an useful guide when visiting the Museum—and might thus be made to repay the expense of printing.

The donations to the Museum have not been so numerous as in some former years, but there have been some which merit especial notice. Thomas Brodrick, Esq., of Esk House, has presented a large specimen of the Rattle Snake of America, *(Crotalus Horridus,)* in a fine state of preservation, and in a handsome glass case. Mrs. George Clark has again contributed to our collection of British Shells, which is not only extensive and valuable, but through the persevering labours of Mr. Martin Simpson, now beautifully arranged and labeled.

In December last, in accordance with a suggestion in last year's report, your very worthy President kindly invited the official members of the Literary and Philosophical Society, with those of the Institute of Popular Science and Literature, and of the Horticultural Society, to meet the talented, and respected Member for the Borough, at a *Conversazione,* in the Assembly Room, at the Angel Hotel. Mr. Belcher had brought together his collection of highly interesting objects of Art and Literature for examination. Mr. Stephenson described very minutely the construction, and the ingenious

mechanical contrivances which he had employed in executing the great Tubular Bridges, over the Menai Straits. The *Reunion* was most harmonious, and the evening very delightfully and instructively spent.

Our distinguished honorary Member, the Rev. Dr. Scoresby, has this day obligingly favoured the Society with some curious and highly interesting illustrations of his own researches in Magnetism.

With these two exceptions, no movement or transaction of a literary or philosophical character has taken place in connection with the Society during the last year; and whilst the Council have again to record, and regret this continued want of activity amongst the Members and Friends of the Society, they have the satisfaction to report that there are no other indications of declining interest or decay, and that no apprehension need be entertained as to the permanency of the Institution, which an examination of the annexed statement of the Treasurer's accounts and of the list of Subscribers, will sufficiently testify.

The contents of the Museum are occasionally in requisition for the purpose of illustrating popular elementary lectures on Natural History, Geology, or other branches of science; now, for obvious reasons,

generally given in connexion with the Institute of popular Science and Literature. Your Council have usually complied with such requests; taking care that the specimens are always returned uninjured, and without expense to the Society.

It cannot fail to be pleasing to the Members of the Society and Subscribers to the Institution to know that, in addition to this source of usefulness, and at so trifling a cost, the Museum is still considered the "Lion" of the place, and attracts a host of visitors annually, many of whom have expressed their gratification and surprise at the magnitude and variety of the collections.

Laws and Regulations.

——ooo——

1.—The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2.—All Subscribers of *Two Guineas*, or upwards, on admission, and *Half-a-Guinea* annually, shall be Members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any Annual Subscription, shall be Governors of the Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet, for transacting business, on the first Thursday of every month, or as often as they shall find necessary; and three Members shall form a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the Report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Coucil, or by any seven members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8.—The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of members, *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby, shall be gratuitously admitted, except

Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be introduced by any member, or may be admitted on such terms as the Council shall fix. On special occasions, the Curators or the Secretaries may admit members or strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9.—After the Society has existed for one year all new members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly, in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall not hold any office in it; but they shall have the privilege of introducing Strangers to the Museum, or persons belonging to their own families.

10.—Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11.—The museum shall be open to the public one day in each month, under such restrictions as the Council may deem necessary.

12.—The proportion which each member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations shall be returned, if required, to the donors, or their representatives; and all members who have sold property to the Society at a reduced price, shall have the option of re-purchasing it at the same price.

13.—Each member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative: but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or

assignee of a Life-Governor shall not be exempted from the Annual Subscription of Half-a-Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14.—The annual Subscriptions shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any member shall neglect paying his subscription for two years, he shall after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15.—If any member, or any one introduced by him, shall cause any loss or damage to the property of the Society, that member shall make good to the Society the loss or damage so sustained.

16.—Any member, who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council, without effect, for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending member, and without the concurrence of three-fourths of the members present at the Public Meeting of the Society, held for that purpose.

17.—Each member on his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he shall continue a member of it.

18.—These Laws may be amended or enlarged, at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

RULES FOR ADMISSION TO THE MUSEUM,

ADOPTED BY THE COUNCIL, AND CONFIRMED BY THE GENERAL MEETING.

1.—The Museum shall be open from half-past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day except Sundays, by applying at the Baths.

2.—Any member or subscriber may introduce, personally, or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilling each for admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

3.—Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the council, or by an order from one of the Secretaries or Curators.

4.—The names and abodes of all Visitors, with the names of the members introducing them, shall be entered in a book kept for that purpose in the Museum.

5.—No person introduced into the Museum shall be permitted to handle the specimens.

6.—No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7.—The Museum shall be open to the Public on the first Monday in each month, from 11 to 1, under the following restrictions:—

(1.) The admission shall be by ticket, given by any member or subscriber.

(2.) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR THE YEAR 1850.

PATRON.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

PRESIDENT.

HENRY BELCHER, ESQ.

VICE-PRESIDENTS.

C. RICHARDSON, ESQ.
T. FISHBURN, ESQ.

TREASURER.

JAMES WILKINSON, ESQ.

COMMITTEE

J. BLANCHARD, ESQ.
MR. W. N. CLARKSON.
W. H. CRAMP, ESQ.
JOSEPH HUNTER, ESQ.
DR. J. G. LOY.
T. PERCIVAL, ESQ.
MR. JOHN TAYLERSON.
MR. JOHN WILSON.

GOVERNORS BY SUBSCRIPTION.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE THE EARL OF MULGRAVE.
THE RIGHT HONOURABLE LORD FEVERSHAM.
ROBERT STEPHENSON, ESQ., M.P.

A. CHAPMAN, ESQ.
COL. G. CHOLMLEY.
H. W. YEOMAN, ESQ.
T. CHAPMAN, ESQ., F.R.S.
E. W. CHAPMAN, ESQ.
J. CHAPMAN, ESQ.
MR. M. SIMPSON.

SECRETARIES

DR. DOWSON.
MR. RICHARD RIPLEY.

CURATORS.

T. W. BELCHER, ESQ.
DR. MERRYWEATHER.

MEMBERS OF THE SOCIETY.

The Most Noble the Marquis of Normanby.
The Right Honourable the Earl of Mulgrave.
The Right Honourable Lord Feversham.

Mr. Joseph Anderson.
Mr. S. Anderson.
Henry Belcher, Esq.
T. W. Belcher, Esq.
J. C. Bewick, Esq.
John Blanchard, Esq.
Mr. Richard Brewster.
Mr. Gideon Buck.
Aaron Chapman, Esq.
T. Chapman, Esq., F.R.S., F.S.A.
Edward W. Chapman, Esq.
John Chapman, Esq., St. Hilda's
Mr. George Chapman.
Colonel George Cholmley.
Mrs. G. Clark.
W. N. Clarkson, Esq.
Mr. John Corner, jun.
W. H. Cramp, Esq.
Dr. Dowson.
Thomas Fishburn, Esq.
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Mr. Ralph Horne.
Mr. John Hugill.
Joseph Hunter, Esq.
Mr. W. R. Hunter.
Mr. Robert Kirby.
Mr. Henry Knaggs.
Dr. J. G. Loy.
Rev. Arthur Lupton.
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Mr. W. Morley.
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Mr. William Newton.
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C. Richardson, Esq.
Thomas Richardson, Esq.
Richard Ripley, Esq.
John Ripley, Esq.
Dr. Robert Ripley.
Mr. Silvester Reed.
Mr. F. K. Robinson.
Mr. Joseph Sanders.
Mr. Martin Simpson.
Mr. M. L. Simpson.
Gideon Smales, Esq.
Rev. W. H. Smith, M.A.
Frederick Swanwick, Esq.
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Mr. William Stonehouse.
Mr. John Stevenson.
John Taylerson, Esq.
Rev. F. W. Trevanion, A.M.
Mr. Thos. Hill Trueman.
Mr. Thomas Turnbull.
Edmund Turton, Esq.
W. Usherwood, jun., Esq.
Mr. George Vasey.
Mr. Francis Watkins.
Thomas Watson, Esq.
Mr. George Watson.
Mr. John Weighill.
James Wilkinson, Esq.
John Wilson, Esq.
H. W. Yeoman Esq.

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Mr. John Allison,
Joseph Barker, Esq.
Henry Barrick, Esq., (W. S.)
Robert Breckon, Esq.
John Buchannan, Esq.
J. B. Chapman, Esq., *London.*
G. H Holtby, Esq.
Mr. Malam.
Mrs. John Richardson.
C. Richardson, Esq., St. Hilda's
Mr. Waddington.
James Walker, Esq.

HONORARY MEMBERS.

Professor Louis Agassiz, M.D., ... *Neufchatel.*
Rev Henry Acheson, B.A., F.C.P.S., ... *London.*
Rev. R. J. Barlow,..... *Hutton Rudby.*
Mr. William Bean, ... *Scarborough.*
Charles Belcher, Esq., ... *Warwick.*
Very Rev. W. Buckland, D.D., F.G.S., &c., *Dean of Westminster.*
Thomas Clark, Esq., ... *Liverpool*
Mr Christopher Crawford, ... *London*
Timothy A. Curtis, Esq., ... *London*
W. H. Dikes, Esq., F.L.S., ... *Wakefield*
Captain Stephenson Ellerby,..... *London*
Dr. W. H. Foster, (Surgeon,) R.N..... *Woolwich*
William Fryer, Esq.,..... *Newcastle*
Mr. J. Gillot, ... *Scarborough*
Rev. J. Gleaves, B.A., ...*Rothwell, Northamptonshire*
Dr. George Goldie, ... *York*
Rev. W. V. Harcourt, F.R S., F.G.S.,..... *York*
W. Hutton, Esq., ... *Newcastle*
R. Jameson, Esq., M.D., F.R.S.E., F.A.S.E., &c., ... *Edinburgh*
Robert Knox, Esq., M.D., F.R.S.E., &c., ... *Edinburgh*
John Edward Lee, Esq., ... *Hull*
John Mewburn, Esq., M.D., ... *Stamford, Upper Canada*
Richard Moorsom, Esq., ... *Scarborough*
Captain Constantine Moorsom, R.N., ... *Birmingham*
Sir R. I. Murchison, F.R.S., F.G.S., &c., ... *London.*
John Murray, Esq., L.L.D., F.S.A., F.L.S., F.H.S., &c., ... *Hull.*

John Phillips, Esq., F.G.S., &c., ... *York.*
Mr. W. Robertson, ... *Newcastle.*
Mr. J. W. Robinson,..... *London.*
Rev. J. Rutherford, ... *Channelkirk.*
Mr. Andrew Sanders, ... *Stockton.*
W. D. Saull, Esq., F.G.S., &c., ... *London.*
Rev. W. Scoresby, D.D., F.R.S., M.W.S., &c., ... *Torquay.*
Rev. A. Sedgwick, D.D., F.R.S., F.G.S., &c., ... *Cambridge.*
Wakefield Simpson, Esq.,..... *Paramatta, New South Wales.*
Rev. W. Stobbs,..... *Stromness.*
Arthur Strickland, Esq., ... *Bridlington Quay.*
Mr. William Trueman, ... *Durham.*
Rev. W. Turner,..... *Manchester.*
W. J. West, Esq.,..... *Tunbridge.*
Mr. Thomas Wellbank,..... *London.*
Mr. James Wilcox,..... *Hovingham.*
Mr. J. Williamson, ... *Scarborough.*
Thomas W. Wilson, Esq., ... *Beverley.*

DONATIONS PRESENTED TO THE MUSEUM,

Since the publication of the Twenty-Seventh Report.

THOMAS BRODRICK, ESQ., (Esk House.)—A fine specimen of the Rattle Snake of America, *(Crotalus Horridus)* in a handsome glass case.

MRS. GEORGE CLARK.—A collection of British Shells.

MR. MARTIN SIMPSON.—A collection of Dried British Plants.

MR. RICHARD RIPLEY.—A rare Ammonite from the Lower Lias near Robin Hood's Bay, a nondescript, having 4 rows of spines, or arms.

CHARLES BELCHER, ESQ., (Warwick.)—The 14th Annual Report of the Warwickshire Natural History and Archæological Society.

ROYAL SOCIETY OF EDINBURGH.—Five parts of the proceedings of the Society.

JAMES WILD, ESQ., (Engineer, of Zurich.)—His Letter to Lord Brougham and Vaux.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY

In account with the Treasurer.

DR.

October 18*th*, 1850.	£.	*s.*	*d.*
To Balance paid Treasurer	7	9	6
— Rent of Museum	15	0	0
— Interest on Bond	4	16	6
— Printing Reports, Coals and Incidental Expenses	7	5	0
— Cash paid into Bank	20	0	0
	£54	11	0

CR.

October 18*th*, 1850.	£.	*s.*	*d.*
By amount of Subscriptions received.....	31	12	6
— Cash received for the admission of Strangers	7	8	0
— Cash due to Treasurer.....	15	10	6
	£54	11	0

☞ *A few Subscriptions are in arrear owing to the temporary absence of the Subscribers, which will no doubt be paid when the next Subscriptions are collected.*

S. Reed, Printer, Old Market Place, Whitby.

BRIT. MUS. 15 JUN 29 WHITBY

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

29

BRITISH MUSEUM
NATURAL HISTORY

THE

TWENTY NINTH REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 31st, 1851:

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

A LIST OF THE OFFICERS AND MEMBERS,

AND OF

Donations presented to the Museum.

WHITBY:

PRINTED AT THE OFFICE OF ROBERT KIRBY, CHURCH STREET.

1851.

BRITISH MUSEUM
NATURAL HISTORY

THE TWENTY-NINTH REPORT.

LTHOUGH your Council have not much that is gratifying or important to communicate on the present occasion, yet they feel that they ought not to depart from the custom of presenting a periodical report, inasmuch as it not only enables the Members to ascertain the progress of the Institution in public estimation, and its real utility, by bringing under observation the source both of its strength and weakness; but it affords at the same time, a suitable opportunity for recommending the adoption of such measures for its improvement as may have received the sanction of experience in similar Institutions, and appear best calculated to advance its interests and usefulness.

The Donations to the Society's Museum during the past year have not been so numerous as in some former years. About 300 strangers have visited the Museum; the receipts for admission have only amounted to £4 14s., owing no doubt to the all powerful attraction of the Great Exhibition in London.

The only Essay or Lecture which has been read before the Society during the past year, was one by Dr. Merryweather, descriptive of his ingenious "*Tempest Prognosticator*," which has been exhibited to the world in the Crystal Palace in London, and which has since been further honoured by a request, that Dr. Merryweather would allow it to be exhibited in the apartments of the Society of Arts; where no doubt its real merits will be fairly tested and acknowledged.

The painful duty of recording the decease since the last annual meeting of two useful and respected Members of the Society, devolves upon your Council. Mr. John Ripley and his Nephew, Dr. Robert Ripley, have been removed from the scene of their earthly labours. They had both contributed Essays or Lectures to the Society, and the loss of such members cannot but be felt and deplored.

The intention of the original promoters of your Institution, was to make it subservient to the acquisition and communication of knowledge, and this object has been realized to some extent; but your Council have still to regret that little has of late years been done by many of the Members, whose literary and scientific attainments had encouraged the expect-

ations of more zealous support, and more frequent contribution—and they would here remark, that all within the circle of your Society, who have had the benefit of a liberal education, should consider that a connexion with it involves an obligation to contribute to its literary and philosophical instruction; an obligation, not indeed directly specified in its laws and regulations, nor enjoined by any absolute engagement, but implied in the nature and constitution of the Society itself; and if it be desirable that your Society should maintain a respectable degree of vigour and animation, or steadily pursue a career of progressive improvement, it must be accomplished by the exertions of the Members themselves, and more especially of those who have hitherto withheld, or neglected to bring forward such literary or philosophical communications as it was in their power to contribute.

Laws and Regulations.

1.—The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2.—All Subscribers of *Two Guineas,* or upwards, on admission, and *Half a Guinea* annually, shall be members of the Society; and Subscribers of *Five Guineas* on admission, and *Half a Guinea* annually, or of *Ten Guineas* at one time, without any Annual Subscription, shall be Governors of the Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight members, shall form the Council of the Society.

4.—The Council shall meet, for transacting business, on the first Thursday of every month, or as often as they shall find necessary; and three members shall form a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the Report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous Curiosities,

whether of Nature or Art; to which may be added scientific Books and Philosophical Apparatus.

8.—The Museum shall be open for the convenience of the members, on such days of the week, and under such regulations, as the Council shall appoint. The families of members, *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby, shall be gratuitously admitted, except Benefactors and Honorary members. Strangers who have their residence above ten miles from Whitby, may be introduced by any member, or may be admitted on such terms as the Council shall fix. On special occasions, the Curators or the Secretaries may admit members or strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9.—After the Society has existed for one year all new members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that Meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly, in advance. Such Subscribers shall be admitted by ballot, a majority of at least three fourths of the members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall hold no office in it; but they shall have the privilege of introducing Strangers to the Museum, or persons belonging to their own families.

10.—Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary members shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum shall be open to the public one day in each month, under such restrictions as the Council may deem necessary.

12.—The proportion which each member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such a dissolution, all donations shall be returned, if required, to the donors, or their representatives; and all members who have sold property to the Society at a reduced price, shall have the option of re-purchasing it at the same price.

13.—Each member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative: but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life Governor shall not be exempted from the Annual Subscription of Half-a-Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14.—The annual Subscription shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any member shall neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15.—If any member, or any one introduced by him, shall cause any loss or damage to the property of the Society, that member shall make good to the Society the loss or damage so sustained.

16.—Any member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from

the Society, after means have been used by the Council, without effect, for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending member, and without the concurrence of three-fourths of the members present at the Public Meeting of the Society, held for that purpose.

17.—Each member on his admission, shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he shall continue a member of it.

18.—These Laws may be amended or enlarged, at any General or Special Meeting of the Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the meeting.

RULES FOR ADMISSION TO THE MUSEUM.

Adopted by the Council, and confirmed by the General Meeeting.

1.—The Museum shall be open from half-past Ten, to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day except Sundays, by applying at the Baths.

2.—Any member or subscriber may introduce, personally, or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilling each for admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

3.—Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4.—The names and abodes of all Visitors, with the names of the members introducing them, shall be entered in a book kept for that purpose in the Museum.

5.—No person introduced into the Museum shall be permitted to handle the specimens.

6.—No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7.—The Museum shall be open to the Public on the first Monday in each Month, from 11 to 1, under the following restrictions:—

(1.) The admission shall be by ticket, given by any member or subscriber.

(2.) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

Officers for the Year 1851-2

PATRON.

THE MOST NOBLE THE MARQUESS OF NORMANBY.

PRESIDENT.

HENRY BELCHER, ESQ.

VICE-PRESIDENTS.

C. RICHARDSON, ESQ. | T. FISHBURN, ESQ.

TREASURER.

JAMES WILKINSON, ESQ.

COMMITTEE.

J. BLANCHARD, ESQ.
MR. W. N. CLARKSON,
W. H. CRAMP, ESQ.
JOSEPH HUNTER, ESQ.
MR. F. K. ROBINSON,
T. PERCIVAL, ESQ.
MR. JOHN TAYLERSON,
DR. WILSON

GOVERNORS BY SUBSCRIPTION.

THE MOST NOBLE THE MARQUESS OF NORMANBY.
THE RIGHT HONOURABLE THE EARL OF MULGRAVE.
THE RIGHT HONOURABLE LORD FEVERSHAM.
ROBERT STEPHENSON, ESQ., M. P.

COL. G. CHOLMLEY.
H. W. YEOMAN, ESQ.
T. CHAPMAN, ESQ., F.R.S.
E. W. CHAPMAN, ESQ.
J. CHAPMAN, ESQ.
MR. M. SIMPSON.

SECRETARIES.

DR. DOWSON. | MR. RICHARD RIPLEY.

CURATORS.

T. W. BELCHER, ESQ. | DR. MERRYWEATHER.

MEMBERS OF THE SOCIETY.

The Most Noble the Marquess of Normanby.

The Right Honourable the Earl of Mulgrave.

The Right Honourable Lord Feversham.

Mr. Joseph Anderson.
Mr. S. Anderson.
Henry Belcher, Esq.
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J. C. Bewick, Esq.
John Blanchard, Esq.
Mr. Richard Brewster.
Mr. Gideon Buck.
Aaron Chapman, Esq.
T. Chapman, Esq., F.R.S., F.S.A.
Edward W. Chapman, Esq.
John Chapman, Esq., St. Hilda's
Mr. George Chapman.
Colonel George Cholmley.
Mrs. G. Clark.
W. N. Clarkson, Esq.
Mr. John Corner, jun.
W. H. Cramp, Esq.
Rev. James Davidson, M.A.
Dr. Dowson.
Thomas Fishburn, Esq.
William Frankland, Esq.
Rev. George Keasley.
Mr. John Havelock.
Mr. Ralph Horne.
Mr. John Hugill.
Mrs. Hunton.
Joseph Hunter, Esq.
Mr. W. R. Hunter.
Mr. Robert Kirby.
Mr. Henry Knaggs.
Dr. J. G. Loy.
Dr. Merryweather.
Mr. W. Morley.
Mr. William Nicholson.
Mr. William Newton.
Mr. George Parke.
George Peirson, Esq.
Thomas Percival, Esq.
C. Richardson, Esq.
Thomas Richardson, Esq.
Richard Ripley, Esq.
Mr. Silvester Reed.
Mr. F. K. Robinson.
Mr. Joseph Sanders.
Mr. Martin Simpson.
Mr. M. L. Simpson.
Gideon Smales, Esq.
Rev. W. H. Smith, M.A.
Mr. J. Stevenson.
Frederick Swanwick, Esq.
Trustees of Sneaton Estate.
Mr. William Stonehouse.
Mr. John Stevenson.
John Taylerson, Esq.
Rev. F. W. Trevanion, A.M.
Mr. Thos. Hill Trueman.
Mr. Thomas Turnbull.
Edmund Turton, Esq.
W. Usherwood, Jun., Esq.
Mr. George Vasey.
Mr. Francis Watkins.
Thomas Watson, Esq.
Mr. George Watson.
Mr. John Weighill.
James Wilkinson, Esq.
John Wilson, Esq., M.D.
H. W. Yeoman, Esq.

Annual Subscribers.

Joseph Barker, Esq.
Henry Barrick, Esq., (W. S.)
Robert Breckon, Esq.
John Buchannan, Esq.
J. B. Chapman, Esq., *London.*
C. Richardson, Esq., St. Hilda's
Mr. Waddington.
James Walker, Esq.

Honorary Members.

Professor Louis Agassiz, M.D., ... *Neufchatel.*
Rev. Henry Acheson, B.A., F.C.P.S.,..... *London.*
Rev. R. J. Barlow, ... *Hutton Rudby.*
Mr. William Bean. ..... *Scarborough.*
Charles Belcher, Esq., ... *Warwick.*
Very Rev. W. Buckland, D.D., F.G.S.,&c., *Dean of Westminster.*
Thomas Clark, Esq., ... *Liverpool.*
Mr. Christopher Crawford, ... *London.*
Timothy A. Curtis, Esq.,..... *London.*
W. H. Dikes, Esq., F.L.S., ... *Wakefield.*
Captain Stephenson Ellerby,..... *London.*
Dr. W. H. Foster, (Surgeon,) R.N., ... *Woolwich.*
William Fryer, Esq., ... *Newcastle.*
Mr. J. Gillot,..... *Scarborough.*
Rev. J. Gleaves, B.A., ... *Rothwell, Northamptonshire.*
Dr. George Goldie, ... *York.*
Rev. W. V. Harcourt, F.R.S., F.G.S., ... *York.*
W. Hutton, Esq.,..... *Newcastle.*
R. Jameson, Esq., M.D., F.R.S.E., F.A.S.E., &c., ... *Edinburgh.*
Robert Knox, Esq., M.D., F.R.S.E., &c.,..... *Edinburgh.*
John Edward Lee, Esq., ... *Hull.*
John Mewburn, Esq., M.D., ... *Stamford, Upper Canada.*
Major Constantine Moorsom, R.N.,..... *Birmingham.*
John Phillips, Esq., F.G.S., &c.,..... *York.*

Mr. W. Robertson, ... *Newcastle.*
Mr. J. W. Robinson..... *London.*
Rev. J. Rutherford, ... *Channelkirk.*
Mr. Andrew Sanders, ... *Stockton.*
W. D. Saull, Esq., F.G.S., &c., ... *London.*
Rev. W. Scoresby, D.D. F.R.S., M.W.S., &c ,..... *Torquay.*
Rev. A. Sedgwick, D.D., F.R.S., F.G.S., &c., ... *Cambridge.*
Wakefield Simpson, Esq., ... *Paramatta, New South Wales.*
Rev. W. Stobbs, ... *Stromness.*
Arthur Strickland, Esq., ... *Bridlington Quay.*
Mr. William Trueman, ... *Durham.*
Rev. W. Turner,..... *Manchester.*
W. J. West, Esq., ... *Tunbridge.*
Mr. Thomas Welbank, ... *London.*
Mr. J. Williamson, ... *Scarborough.*
Thomas W. Wilson, Esq., ... *Beverley.*

DONATIONS PRESENTED TO THE MUSEUM.

Since the publication of the Twenty Eighth Report.

Mr. M. Simpson.—A collection of British Mosses.

A specimen of Native Copper in Vegetable Remains.

Three casts of Ammonites

Mr. John Chapman, *St. Hilda's.*—A Harpoon-Gun, &c., which have been used in the Greenland Whale Fishery.

A Scull of the Arctic or Polar Bear.

Mr. R. Dobson, per Dr. Merryweather.—A pair of large Rams' Horns.

Mr. Berry.—Two Silver Pennies, of Edward I and II, in fine preservation.

Liverpool Literary and Philosophical Society.—5th Volume of the Proceedings of their Society.

THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY,

In Account with the Treasurer.

BRIT. MUS. NAT. HIST. 15 JUN 29

Dr. *October* 31*st*, 1851.	£	s.	d.
To Balance paid Treasurer	15	10	6
— Rent of Museum	15	0	0
— Cash paid into Bank..	10	0	0
— Printing Reports, and Incidental Expenses	8	19	9
	£49	10	3

Cr. *October* 31st, 1851.	£	s.	d.
By Amount of Subscriptions received	34	5	6
— Cash received for the admission of Strangers	4	14	0
— Cash due to Treasurer	10	10	9
	£49	10	3

R. Kirby, Printer, Church Street, Whitby.

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THE

THIRTIETH REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

Presented at the ANNUAL MEETING, October 29th, 1852;

WITH THE

Laws and Regulations of the Society,

AND A

LIST OF THE OFFICERS AND MEMBERS.

WILLIAM NEWTON, PRINTER, BOOKSELLER, &c.,
BAXTERGATE.

1852.

BRITISH MUSEUM
NATURAL HISTORY

Thirtieth Report.

The Council of the Whitby Literary and Philosophical Society, in presenting their thirtieth Report, have to inform the Members, in the first place, that a communication has been received from the Society of Arts in London, proposing to take into connexion with it as many scientific institutions throughout the kingdom as are disposed to unite, and promising each Society, in return for the payment of two guineas annually, "valuable assistance in the improvement of libraries,—in the arrangement of classes,—in the delivery of lectures on literary, scientific, and practical subjects,—in the formation of museums,—in collecting and preparing local exhibitions of different kinds, &c." This proposal your Council would have been inclined to accept, and the rather as it was distinctly stated, "that in thus entering into union with the Society of Arts, each Institution should, in all things, preserve the inde-

pendent management of its own affairs, which should not in any way be interfered with or controlled," but they found reason to believe that, in carrying into effect any of the measures suggested by the Society of Arts, it would be necessary to incur expenditure, in addition to that of the annual subscription, which the state of the finances of your Society would not permit: they would however recommend that attention should be paid to the working of the plan in some of the many Societies which have accepted the proposal, with a view to its adoption at a future period, if it should be found advisable.

The number of visitors to the Museum during the year has been about 550, and it has been rendered more attractive by several important additions.

To Thomas Chapman, Esq., we are indebted for a valuable collection of dried plants, indigenous and exotic, well preserved in 18 large volumes, and now appropriately placed in a book-case, for which, as appears by the Report for 1843, we are also indebted to Mr. Chapman.

Robert Barry, Esq., of Fylingdales, has sent us a richly carved model of a canoe, and three specimens of beautiful wood, from New Zealand.

Mrs. George Clark has continued her contributions, illustrative of the Natural History of the sea-coast, by presenting us with numerous specimens of algæ, coralines, and shells.

From Mr. Bewick of Grosmont we have received

part of the antlers and some of the bones of the Red Deer, "a gigantic example," and in the opinion of Professor Phillips, "probably belonging to our oldest historic era, or perhaps anterior to our chronology:" also two specimens of the vertebræ of a Plesiosaurus, from one of the iron-stone bands on Mrs. Clark's estate at Grosmont—an unusual stratum for such fossils: and lastly, a curious specimen of petrified wood from the same locality.

For another specimen of fossil wood, from the gravel beds of Allesley, near Coventry, we are indebted to Charles Belcher, Esq., of Warwick; and for two specimens of the saw-fish, to Mr. W. Thompson and Capt. Mackenzie of Liverpool.

The only addition to our books is a copy of the proceedings of the Royal Society of Edinburgh, session 1851-2, presented by the Society.

But it is not merely by additions that the Museum has been improved: several parts of it (thanks, as in former years, to the zeal, ability, and taste of Mr. Martin Simpson,) have been arranged in better order, and labeled with more correctness, so that its stores may be consulted and studied with greater facility and convenience, an advantage of no little importance in so miscellaneous a collection; and when we speak of its *stores*, we do it with satisfaction, if not with pride; for small as our Museum is, when compared with many others, it comprises numerous specimens of the most important classes and orders of animate

and inanimate beings: of the minerals which form the crust of the earth, and of the plants which cover its surface; of the organic fossils which enable the geologist to trace the wonderful series of changes of which the earth has been the seat; of the existing race of the animal creation, from the smallest zoophytes to the ponderous mammals of tropical and arctic regions; while of man himself we have specimens illustrative of every period of his history, and every phase of his condition, from the most savage to the most civilized, in implements, weapons, and dresses; inscriptions, coins, and medals; models of buildings, ships, and carriages; together with the objects of his worship in numerous idols, and his relics in mummies and sepulchral urns. Let us then endeavour to increase and improve our collection, thankful to those enlightened men who, thirty years ago, had zeal enough in the cause of science to undertake its formation, leaving to us the comparatively easy task of preservation and addition:—more especially let us constantly keep in view the importance of providing for it, at the earliest possible period, a more spacious and secure abode: some of our most valuable specimens are very imperfectly exhibited, and many cannot be exhibited at all; while as to occupancy we are mere tenants at will, subject to all the contingencies inseparable from such a tenure, and which nothing but necessity should induce us to submit to: that such

necessity exists at present we fear must be admitted, but two or three munificent donations have been already promised towards a building fund, and we would willingly believe that, if the subject be brought from time to time under the notice of those who are likely to appreciate its importance, means will be found to raise a building, such as the value of our collection, and the interests of science, as well as the credit of our town, demand.

Laws and Regulations.

———ooo———

1.—The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half-a-Guinea* annually, shall be Members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any Annual Subscription, shall be Governors of this Society.

3. The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight Members, shall form the Council of the Society.

4. The Council shall meet, for transacting business, on the first Thursday of every month, or as often as they shall find necessary; and three Members shall form a quorum.

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17. Each Member on his admission shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he shall continue a member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Rules for Admission to the Museum,

ADOPTED BY THE COUNCIL, AND CONFIRMED BY THE GENERAL MEETING.

1. The Museum shall be open from half-past Ten to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day except Sundays, by applying at the Baths.

2. Any member or subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilliug each for admission ; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

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(3) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

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PRESIDENT.

HENRY BELCHER, ESQ.

VICE-PRESIDENTS.

C. RICHARDSON, ESQ. | T. FISHBURN, ESQ.

TREASURER.

JAMES WILKINSON, ESQ.

COMMITTEE.

J. BLANCHARD, ESQ.
MR. W. N. CLARKSON,
REV. JAMES DAVIDSON, A.M.
JOSEPH HUNTER, ESQ.
MR. F. K. ROBINSON,
T. RICHARDSON, ESQ.
MR. JOHN TAYLERSON,
DR. WILSON.

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COL. G. CHOLMLEY.
H. W. YEOMAN, ESQ.
T. CHAPMAN, ESQ., F. R. S.
E. W. CHAPMAN, ESQ.
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MR. M. SIMPSON.

SECRETARIES.

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CURATORS.

T. W. BELCHER, ESQ. | DR. MERRYWEATHER.

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Mr. S. Anderson.
Henry Belcher, Esq.
T. W. Belcher, Esq.
J. C. Bewick, Esq.
John Blanchard, Esq.
Mr. Richard Brewster.
Rev. J. B. Brodrick, A. M.
Mr. Gideon Buck.
Aaron Chapman, Esq.
T. Chapman, Esq., F.R.S., F.S.A.
Edward W. Chapman, Esq.
John Chapman, Esq., St. Hilda's
Mr. George Chapman.
Colonel George Cholmley.
Mrs. G. Clark.
W. N Clarkson, Esq.
Mr. John Corner, jun.
W. H. Cramp, Esq.
Rev. James Davidson, A.M.
Dr. Dowson.
Thomas Fishburn, Esq.
William Frankland, Esq.
Rev. George Keasley.
Mr. John Havelock.
Mr. Ralph Horne.
Mr. John Hugill.
Mrs. Hunton.
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Mr. W. R. Hunter.
Mr. Robert Kirby.
Mr. Henry Knaggs.
Dr. J. G. Loy.
Dr. G. Merryweather.
Mr. W. Morley.
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Mr. George Parke.
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C. Richardson, Esq.
Thomas Richardson, Esq.
Richard Ripley, Esq.
Mr. Silvester Reed.
Mr. F. K. Robinson.
Mr. Joseph Sanders.
Mr. Martin Simpson.
Mr. M. L. Simpson.
Gideon Smales, Esq.
Rev. W. H. Smith, M.A.
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Thomas W. Wilson, Esq., ...*Beverley.*

Whitby Literary and Philosophical Society

IN ACCOUNT WITH THE TREASURER.

DR.

October 29th, 1852.	£.	s.	d.
To Balance paid Treasurer..	10	10	9
— Rent of Museum	15	0	0
— Cash paid into Bank	5	0	0
— Incidental Expenses	3	16	8
	£34	7	5

CR.

October 29th, 1852.	£.	s.	d
By Amount of Subscriptions received	23	6	6
— Cash received at a Lecture	0	7	0
— Cash received for the admission of Strangers..	4	14	6
— Cash due to Treasurer ..	5	19	5
	£34	7	5

W. Newton, Printer, Baxtergate, Whitby.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

31

THE

THE THIRTY-FIRST REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

Presented at the ANNUAL MEETING, October 28th, 1853;

WITH THE

Laws and Regulations of the Society,

AND A

LIST OF THE OFFICERS AND MEMBERS.

Whitby from the East Cliff.

WHITBY:
R. HORNE, PRINTER AND BOOKSELLER,
BRIDGE STREET.

1853.

BRITISH MUSEUM
NATURAL HISTORY

Thirty-first Report.

The Council of the Whitby Literary and Philosophical Society, in presenting their thirty-first Report, have still to speak of the prosperity of the Institution, at least as far as relates to the Museum, which has been inspected during the past year by upwards of 360 visitors, and has received some valuable additions.

Thomas Fishburn, Esq., has presented a splendid specimen of the tusk of the Narwhal, or Sea-unicorn.

Mrs. George Clark has contributed a fine collection of Zoophytes, from the Whitby coast; and eight shells, five of them of species not before in the Museum.

To Miss Ripley we are indebted for a beautiful collection of more than fifty dried plants, from New Zealand; and to James Yates, Esq., for a Fern, (Polypodium Billardieri,) from the same locality.

Messrs. Réné le Franc and Marie Pierre have sent the head of a large sea-wolf, and the head of a shark, both taken near Iceland.

From Mr. Martin Simpson we have received a new species of Ammonite, and a very fine and large specimen of Am Maculatus, with twenty Belemnites, and some other fossils from the lias; from Mr. W. N. Clarkson a rare Ammonite; and from Mr. Morley, a very fine, rare, and curious Ammonite from Robin H. Bay.

Mrs. Mansfield of Woburn, Bedfordshire, has sent us a pair of curious Canadian gaiters.

These additions, though neither very numerous nor very bulky, are yet sufficiently so to furnish a reason for again urging upon the members of the Society, the expediency, if not the necessity, of providing additional room for the collection; and as there appears to be little or no prospect of soon obtaining adequate funds for the erection of a new building, your Council would recommend for serious and immediate consideration, the suggestion of Mr. M. Simpson, to endeavour to obtain from the Bath Company, the building now occupied by the Baths, Library and Museum conjointly. There is reason to believe that it might be purchased on very favourable terms, and that, without any considerable additional expenditure, it might be so altered as to afford sufficient room for the additions of many years, without any interference with the rooms now occupied by the Library. That such an arrangement would be convenient for both societies, cannot reasonably be doubted, and it is hoped that no material difficulties will be found to impede its accomplishment.

The improvements in arranging and displaying the contents of the Museum, carried on through several preceding years, with zeal and perseverance, by Mr. Martin Simpson, have been continued in the one just past: in particular, the great Plesiosaurus has been placed by his direction, in a much more eligible situation, and to him we are also indebted for two Essays on Fossil Saurians by Professor Owen.

A number of birds, previously in the drawers, have been stuffed by Mr. Graham, of York, and so placed as to render that department of the Museum much more attractive.

Thus it appears that the attention of your Council has again in the past, as in many former years, been directed chiefly to the improvement of the Museum; and in this they believe they are following out, in the most efficient manner, the purposes of the original founders of the Society. "The support of a Museum," was its primary object, and the only one definitely expressed at its formation, as appears by the first resolution passed at the first public meeting, on the 17th of January, 1823, and it has accordingly been the especial care of your Council in every succeeding year, to keep this object clearly and steadily in view. In making this observation, however, it is by no means their intention to depreciate meetings for literary and scientific discussion, the value of which they readily grant, and which, having been frequently held by this

Society in former years, will, they trust, be revived, and regularly continued; but they cannot admit that the advantage to be derived from such meetings, confined as they must be to a few individuals, can be compared in importance to the intellectual gratification and improvement afforded every year, to several hundreds of intelligent visitors to the Museum.

In addition to the gratification and improvement afforded to visitors, by the Museum, specimens selected from it have been frequently used for the illustration of scientific lectures; and it has furnished on several occasions, to the most learned in various departments of science, objects which were new even to them. Of this, a gratifying instance has been afforded during the past year, which it may not be irrelevant to mention. The most learned investigator of Fossil Botany in the world, M. Brongniart of Paris, was furnished some time since from your Museum with specimens which were perfectly new to him, and which have lately been returned with thankful acknowledgments. Still the Museum is not made so useful as it might be. It is a matter of reasonable surprise that it is not more generally resorted to as a school for the young, comprising as it does, numerous illustrations of several of the most important branches of a liberal education; thus, *history* is elucidated by many interesting memorials of the progress of civilization, from the earliest periods to the present time; *chronology*, by

a series of coins and medals; *geography*, including, as it properly does, the natural history of the countries described, by abundant specimens in all the three departments of mineralogy, botany, and zoology: again, a frequent reference to the Museum will be found of much value as illustrative of *descriptive poetry*, which, from its tendency to elevate and refine the mind, is read in every good school: for example, if a child reads in one of the most accurate and elegant of our poets, of the coral-building polypes, that

> "Millions of millions thus, from age to age,
> With simplest skill and toil unweariable,
> No moment and no movement unimproved,
> Laid line on line, on terrace terrace spread,
> To swell the heightening, brightening gradual mound,
> By marvellous structure, climbing toward the day:"

will it not "heighten and brighten" his ideas to show him the *work* of these little architects, and the cells that were their habitations? Or, if a youth reads in another of our most distinguished poets, that

> "Fain St. Hilda's nuns would learn,
> If, on a rock by Lindisfarne,
> St. Cuthbert sits, and toils to frame
> The sea-born beads that bear his name;
> Such tales had Whitby's fishers told,"—

will he not look with interest upon the *encrinites* in our Museum? Indeed, as it is certain that the mind is more deeply impressed by the sight of objects than any description of them, it is clear that to bring be-

fore the eyes of the young the objects of which they read, and of which, as every teacher knows, they are so apt to read with indifference, will have a powerful influence in exciting that attention and interest, which it is one of his highest objects, and one of his most difficult undertakings to promote. But the intention of your Council is only to furnish a few hints on this subject, not to write a dissertation; and perhaps enough has been said to show that if your Museum be deserving, as they believe it is, of the support of every intelligent person, it especially deserves that of every parent and teacher.

Laws and Regulations.

1. The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half-a-Guinea* annually, shall be Members of the Society ; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any Annual Subscription, shall be Governors of this Society.

3. The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight Members, shall form the Council of the Society.

4. The Council shall meet, for transacting business, on the first Thursday of every month, or as often as they shall find necessary ; and three Members shall form a quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the Report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous Curiosities, whether of Nature or Art ; to which may be added Scientific Books, and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week, and under such regulations, as the Council shall appoint. The families of Members, *residing under their roof*,

shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix. On special occasions, the Curators or the Secretaries may admit members or strangers to the Museum on those days when it is usually shut.

*** This regulation is modified by the 11th.

9. After the Society has existed for one year all new members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, additional Subscribers, paying Twelve Shillings yearly, in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the Members present being required for their admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall hold no office in it; but they shall have the privilege of introducing Strangers to the Museum, or persons belonging to their own families.

10. Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11. The Museum shall be open to the public one day in each month, under such restrictions as the Council may deem necessary.

12. The proportion which each member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such a dissolution, all donations shall be returned, if required, to the donors, or their representatives; and all members who have sold property to the Society at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life-Governor shall not be exempted from the Annual

Subscription of Half-a-guinea, without paying a sum of Five Guineas in lieu of such subscription.

14. The Annual Subscription shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up ; and if any member shall neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any member, or any one introduced by him, shall cause any loss or damage to the property of the Society, that member shall make good to the Society the loss or damage so sustained.

16. Any member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council, without effect, for bringing him to order ; but such expulsion shall not take place without giving a month's notice, at least, to the offending member, and without the concurrence of three-fourths of the members present at the Public Meeting of the Society, held for that purpose.

17. Each Member on his admission shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he shall continue a member of it.

18. These Laws may be amended or enlarged at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Rules for Admission to the Museum,

ADOPTED BY THE COUNCIL, AND CONFIRMED BY THE GENERAL MEETING.

1. The Museum shall be open from half-past Ten to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day except Sunday, by applying at the Baths.

2. Any member or subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilling each for admission ; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

3. Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the members introducing them, shall be entered in a book kept for that purpose in the Museum.

5. No person admitted into the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7. The Museum shall be open to the Public on the first Monday in each month, from 11 to 1, under the following restrictions :—

(1) The admission shall be by ticket, given by any member or subscriber.

(2) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

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Thomas W. Wilson, Esq.,..... *Beverley.*

BRIT. MUS.
15 JUN 29
NAT. HIST.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY

IN ACCOUNT WITH THE TREASURER.

Dr.	£.	s.	d.	*Cr.*	£.	s.	d.
October 28th, 1853.				*October 28th*, 1853.			
To Balance paid to Treasurer	5	19	5	— By Subscriptions received from 46 members, @ 10s. 6d. each	24	3	0
— Rent of Museum	15	0	0	— Ditto from 7 subscribers @ 12s....	4	4	0
— Cash paid into Bank	6	0	0	— Arrears of former years	6	16	6
— Printing and Stationery including two years' Reports	8	18	2	— Cash received for the admission of Strangers	5	0	0
— Collector	1	1	0				
— Cleaning Museum, and Incidental Expenses	2	7	2				
— Balance	0	17	9				
	£40	3	6		£40	3	6

R. HORNE, PRINTER AND BOOKSELLER, BRIDGE STREET, WHITBY.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 20
NAT. HIST.

THE

THIRTY-SECOND REPORT

OF THE

WHITBY LITERARY

AND

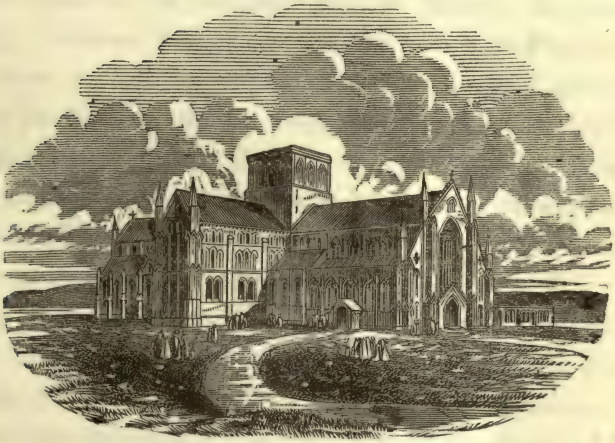
PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 27th, 1854:

WITH THE

Laws and Regulations of the Society,

AND A LIST OF THE OFFICERS AND MEMBERS.



WHITBY ABBEY RESTORED.

WHITBY:

SILVESTER REED, OLD MARKET PLACE.

1854.

BRITISH MUSEUM
NATURAL HISTORY

THIRTY-SECOND REPORT.

On referring to the earliest records of this society, it will appear that nearly 32 years have elapsed, since, by the exertions of a small number of gentlemen of literary tastes and pursuits, who were deeply impressed with the importance of forming a Museum in Whitby—for the establishment of which few places enjoyed greater facilities, especially in the fossil department—the foundation of your present institution was laid; and amongst the names of those who took a prominent part in its organization, will be found that of Henry Belcher, Esq,, who was chosen one of the first Vice-Presidents of your society, an appointment he retained until the year 1838, when on the resignation of the late Richard Moorsom, Esq., the literary and philosophical attainments of Mr. Belcher were recognised as fully qualifying him to succeed to the President's chair, to which he was unanimously elected.

In presenting to the members of the society the report of the last year's transactions, your council would in the first instance, desire to record their sense of the great loss the society has sustained by the death of Mr. Belcher, who for 16 years presided over its deliberations, and from its formation to the day of his decease, was one of its most zealous and liberal supporters, and on which his refined tastes, and cultivated mind, ever reflected honour and credit.

At a Special Meeting of the Society, held on the 6th April last, for the purpose of choosing a new President, before proceeding to that business, Dr. Merryweather favoured the meeting by reading a brief but interesting address "*On the Life and Character of Mr. Belcher*," and concluded by moving the following resolution:—"That this meeting, being deeply sensible of the loss sustained by the society, in the removal by death of Henry Belcher, Esq., desires to place on record an exprssion of its sense of the curtesy, impartiality, and ability invariably manifested by him in the discharge of his duties, as well as of the many important services rendered by him in the furtherance of the objects of this society; and that a copy of this resolution be transmitted through the secretaries to his relatives, with the assurance of the perfect sympathy of the society on the melancholy event,"—which was unanimously adopted, and ordered, together with Dr. Merryweather's address, to be recorded in the minutes of the society.

On proceeding to the election of a new President, Robert Stephenson, Esq., M.P., was unanimously chosen to that office; his high literary and scientific acquirements qualifying him in no ordinary degree to confer honour and benefit on the institution; and although Mr. Stephenson has, through the medium of your council, recommended that the President of the society should, in order to render his services efficient, be resident in Whitby, your council are of opinion that the interests of the society will not suffer, but on the contrary, be largely promoted, by retaining Mr. Stephenson, though non-resident, as its President.

The attention of your council has been directed to the purchase or erection of a museum building of a

more commodious and permanent character than the present one, and during the past year, in accordance with the resolution of the Special Meeting already referred to, an appeal was made to the public, in the hope of raising a fund for the erection of an entirely new building; and notwithstanding your council have to report that a sum of £300 has been promised, they regret to have to add that at present they see no prospect of realizing an amount adequate to the proposed object.

Under these circumstances, your council have had again under consideration the propriety of purchasing on fair terms, from the Whitby Bath Company, the building now in part occupied by the Society's Museum, with a view of securing, by the outlay at some future period of a moderate sum, ample and permanent accommodation, not only for your own requirements, but also for the Subscription Library; and the council would recommend your authorising a negociation with the Bath Company for the purchase of their property, on such terms as may be deemed advantageous to the society.

Your council have to notice with pleasure the increasing interest manifested towards your museum, particularly by the numerous strangers who are attracted to your town in the summer season, among whom there have been a considerable number of men of science from various parts of the world; during the last year 500 visitors have been admitted, and the payments for admission amount to £10., being the largest sum ever received in any one year since the formation of the society.

The state of the society's finances will be seen by a reference to the Treasurer's account which is annexed.

During the past year, in order to accommodate and properly exhibit the various specimens added, either by purchase or gift, to your museum, it was found requisite to provide an additional glass case, the cost of which, together with other extraordinary disbursements, press heavily on the society's limited pecuniary resources—a fact, which when made public, may your council trust induce those who have not hitherto supported the society to become subscribers.

The additions to your Museum during the year have been numerous and valuable, and consist principally of donations. The following merit the especial acknowledgements of the society.

The whole of the Library of "*The Whitby Numismatic Society*," by Thomas Chapman, Esq., F.R.S., and Richard Ripley, Esq., the only surviving members of the society.

A rare Collection, comprising specimens of Fossils and Foreign Shells, by Mr. M. Simpson.

A Collection of Fossils and beautifully arranged Corallines from the N.E. coast, and a number of British Shells, by Mrs. George Clark.

An extensive Collection of rare Fossils, by Richard Ripley, Esq.

A Collection of curious Insects preserved in spirits by Mrs. Hunton.

2 fine specimens of the Hammer-headed Oyster, and a Boomerang from Australia, by Capt. Wm. Turnbull.

Specimens of different kinds of Sand from Alum Bay, Isle of Wight, by Dr. T. H. Yeoman, of London.

Eight Prussian Coins, by Mr. Richards of Stettin.

Two Fossil Fishes from the Jet rock near Guisbro' by Henry Thomas, Esq.

A Memorial Medal of the late Lord George Bentnick, by Thomas Chapman, Esq., F.R.S.

With the exception of the address read by Dr. Merryweather, on the occasion already referred to, and a Paper by the same gentleman on the result of his Meteorological observations during the last winter, no essays have been read, or lectures delivered, during the past year, a circumstance which your council have continued reason to regret.

Your council cannot close their report without noticing the continued valuable services rendered gratuitously to the society by Mr. Simpson, in arranging and marking the contents of your museum; his labours in this work are most efficient, and merit the warmest thanks of the society. Mr. Simpson is also engaged in continuing the manuscript synopsis of your valuable collection of Fossils and other curiosities, commenced by the late Dr. Young, which cannot fail to prove of great use and importance to the society.

In conclusion, your council would express a hope, that the members of the society, as well as others who take an interest in the development and progress of the march of intelligence, so peculiarly characteristic of the present age, will combine in increased efforts for the advancement of the objects of the society, and thus render it, what it was intended to be by its original founders, emphatically "a society for the promotion of the general interests of learning and philosophy, and the honor and advantage of your town, as being a place where literature and science are esteemed and patronized."

Whitby, October 27th, 1854.

LAWS AND REGULATIONS.

1.—The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2.—All Subscribers of *Two Guineas*, or upwards, on admission, and *Half-a-Guinea* annually, shall be Members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any Annual Subscription, shall be Governors of this Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet, for transacting business, on the first Thursday of every month, or as often as they shall find it necessary; and three Members shall form a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the Report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous Curiosities, whether of Nature or Art; to which may be added Scientific Books, and Philosophical Apparatus.

8.—The Museum shall be open for the convenience of the Members, on such days of the week, and under such Regulations, as the Council shall appoint. The families of Members, *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants

of Whitby shall be gratuitously admitted, except Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix. On special occasions, the Curators or the Secretaries may admit Members or strangers to the Museum on those days when it is usually shut.

*** This regulation is modified by the 11th.

9.—After the Society has existed for one year, all new members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that meeting shall appoint; but the Council may at any of its Meetings, admit to the benefits of the institution, additional subscribers, paying Twelve Shillings yearly, in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the Members present being required for admission; and they shall have no share in the property of the Society, have no vote at its Meetings, and shall hold no office in it; but they shall have the privilege of introducing Strangers to the Museum, or persons belonging to their own families.

10.—Gentlemen who have rendered important services to the Society, may be elected Honorary Members, without paying any subscription; but such Honorary Members shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum shall be open to the public one day in each month, under such restrictions as the Council may deem necessary.

12.—The proportion which each Member has in the property of the Society, shall be according to the whole amount paid for his share; and should the Institution ever be dissolved, the property shall be divided accordingly. But in the event of such a dissolution, all donations shall be returned if required, to the donors, or their representatives; and all members who have sold property to the Society at a reduced price, shall have the option of re-purchasing it at the same price.

13.—Each Member of the Society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide, by ballot whether the purchaser or representative shall be admitted as a member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life-Governor shall not be exempted from the Annual Subscription of Half

a-Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14.—The Annual Subscription shall be paid to the Treasurer in advance, in the month of November, or within a month after the General Meeting in each year. If any member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any member shall neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15.—If any member, or any one introduced by him, shall cause any loss or damage to the property of the Society, that member shall make good to the Society the loss or damage so sustained.

16.—Any member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council, without effect for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending member, and without the concurrence of three-fourths of the members present at the Public Meeting of the Society, held for that purpose.

17.—Each Member on his admission shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he shall continue a member of it.

18.—These Laws may be amended or enlarged at any General or Special Meeting of this Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

RULES FOR ADMISSION TO THE MUSEUM,

Adopted by the Council, and confirmed by the General Meeting.

1.—The Museum shall be open from half-past Ten to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day except Sunday, by applying at the Baths.

2.—Any member or subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay one shilling each for admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

3.—Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the council, or by an order from one of the Secrctaries or Curators.

4.—The names and abodes of all Visitors, with the names of the members introdcing them, shall be entered in a book kept for that purpose in the Museum.

5.—No person admitted into the Museum shall be permitted to handle the specimens.

6.—No person shall be allowed to take a stick or umbrella into the Museum, or anything likely to occasion damage.

7.—The Museum shall be open to the public on the first Monday in each month, from 11 to 1, under the following restrictions :—

(1)—The admission shall be by Ticket, given by any Member or Subscriber.

(2)—Children under fourteen years shall not be admitted, unless under the care of an adult.

(3)—All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

Officers for the Year 1854-5.

Patron.

THE MOST NOBLE THE MARQUESS OF NORMANBY.

President.

ROBERT STEPHENSON, ESQ., M.P.

Vice-Presidents.

CHR. RICHARDSON, ESQ. | J. CHAPMAN, ESQ., St. Hilda's.

Treasurer.

JAMES WILKINSON, ESQ.

Committee.

MR. S. ANDERSON, F.L.S.
J. BLANCHARD, ESQ.
REV. J. B. BRODRICK, A.M.
DR. DOWSON.
REV. W. KEANE, A.M.
MR. F. K. ROBINSON.
J. TAYLERSON, ESQ.
DR. WILSON.

Governors by Subscription.

THE MOST NOBLE THE MARQUESS OF NORMANBY.
THE RIGHT HON. THE EARL OF MULGRAVE, M.P.
THE RIGHT HONORABLE LORD FEVERSHAM.

COL. G. CHOLMLEY.
H. W. YEOMAN, ESQ.
T. CHAPMAN, ESQ., F.R.S.
E. H. CHAPMAN, ESQ.
E. W. CHAPMAN, ESQ.
J. CHAPMAN, ESQ.
C. RICHARDSON, ESQ., St. Hilda's
MR. M. SIMPSON.

Secretaries.

MR. W. N. CLARKSON. | MR. RICHARD RIPLEY.

Curators.

T. W. BELCHER, ESQ. | DR. MERRYWEATHER.

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUESS OF NORMANBY.
THE RT. HONORABLE THE EARL OF MULGRAVE, M.P.
THE RIGHT HONORABLE LORD FEVERSHAM.
ROBERT STEPHENSON, ESQ., M.P.

Mr. Joseph Anderson.
Mr. S. Anderson, F.L.S.
T. W. Belcher, Esq.
J. C. Bewick, Esq.
John Blanchard, Esq.
Richard Brewster, Esq.
Rev. J. B. Brodrick, A.M.
Mr. Gideon Buck.
T. Chapman, Esq., F.R.S., F.S.A
Edward Henry Chapman, Esq.
Edward W. Chapman, Esq.
John Chapman, Esq., St. Hilda's
Mr. George Chapman.
Colonel George Cholmley.
Mrs. G. Clark.
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Mr. John Corner, jun.
Mr. R. Craven.
Mr. W. Dotchon.
Dr. Dowson.
Thomas Fishburn, Esq.
William Frankland, Esq.
Mr. Isaac Greenbury.
Rev. George Keasley.
Rev. W. Keane, A.M., M.R.A.S
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Mr. John Hugill.
Mrs. Hunton.
Joseph Hunter, Esq.
Mr. Robert Kirby.
Mr. Henry Knaggs.
Dr. G. Merryweather.
Mr. W. Morley.
Mr. William Nicholson.
Mr. William Newton.
Mr. George Parke.
George Peirson, Esq.
Thomas Percival, Esq.
C. Richardson, Esq.
C. Richardson, Esq., St. Hilda's.
Thomas Richardson, Esq.
Richard Ripley, Esq.
Mr. Silvester Reed.
Mr. F. K. Robinson.
Mr. Martin Simpson.
Mr. M. L. Simpson.
Gideon Smales, Esq.
Mr. J. Stevenson.
Trustees of Sneaton Estate.
Mr. William Stonehouse.
John Taylerson, Esq.
Mr. Thomas Hill Trueman.
Mr. Thomas Turnbull.
W. Usherwood, jun., Esq.
Mr. George Vasey.
Thomas Watson, Esq. [mont.
Rev. W. H. Wilkinson, Gros-
James Wilkinson, Esq.
John Wilson, Esq., M.D.
H. W. Yeoman, Esq.

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Henry Barrick, Esq., *West Side.*
Robert Breckon, Esq.
John Buchannan, Esq.
J. B. Chapman, Esq., *London*
John Waddington, Esq.
James Walker, Esq.

HONORARY MEMBERS.

Professor Louis Agassiz, M.D. .....*Neufchatel.*
Rev. Henry Acheson, B.A., F.C P.S., ...*London.*
Rev. R. J. Barlow, ...*Hutton Rudby.*
William Bean, Esq.....*Scarborough.*
Charles Belcher, Esq., ...*Warwick.*
Very Rev. W. Buckland, D.D., F.G.S., &c., ...*Dean of Westminster.*
Thomas Clark, Esq., ... *Liverpool.*
Edwin Cockburn, Esq., ... *London.*
Mr. Christopher Crawford ..... *London.*
Timothy A. Curtis, Esq., ... *London.*
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Captain Stephenson Ellerby, ... *London.*
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Mr. J. W. Robinson, ...*London.*
Rev. J. Rutherford, ...*Channelkirk.*

Mr. Andrew Sanders, ... *Stockton.*
W. D. Saul, Esq., F.G.S., &c., ... *London.*
Rev. W. Scoresby, D.D., F.R S., M.W.S., &c., ... *Torquay.*
Rev. A. Sedgwick, D.D , F.R.S., F.G.S., &c., ... *Cambridge.*
Wakefield Simpson, Esq., ... *New South Wales.*
Rev. W. Stobbs, ... *Stromness.*
Arthur Strickland, Esq., ... *Burlington Quay.*
Mr. William Trueman, ... *Durham.*
Rev. W. Turner, ... *Manchester.*
George Watson, Esq., ... *Leeds.*
W. J. West, Esq., ... *Tunbridge.*
Mr. Thomas Welbank, ... *London.*
Mr. James Wilcox, ... *Hovingham.*
Mr. J. Williamson, ... *Scarborough.*
Thomas W. Wilson, Esq., ... *Beverley.*

DONATIONS

OMITTED IN THE THIRTIETH REPORT.

ROBERT BARRY, ESQ.—Ornamental Model of a Canoe, from New Zealand, and 3 specimens of Wood.

C. BELCHER, ESQ., *Warwick.*—Fossil Wood, from the gravel beds of Allesley, near Coventry.

Mr. BEWICK.—Antlers and bones of the Red Deer, found near Grosmont.

THOMAS CHAPMAN, ESQ., F.R.S.—18 large Volumes of dried Plants.

Mrs. G. CLARK.—27 British Algæ, 3 Corallines, 11 Foreign Shells.

Mr. WM. THOMPSON, and Capt. MACKENZIE, *Liverpool.*—A large Saw of the Saw-Fish.

OMITTED IN THE THIRTY-FIRST REPORT.

Mrs. G. CLARK.—A fine collection of Corallines from the Whitby coast, 8 British and Foreign Shells.

Mr. W. N. CLARKSON.—A rare Ammonite.

Mr. DOTCHON.—3 Star Fishes, and a species of Lobster.

THOMAS FISHBURN, ESQ.—A fine tusk of the Narwhal, 9 feet long.

Mrs. MANSFIELD, *Woburn, Beds.*—A pair of Canadian Gaiters.

Mr. MORLEY.—A very fine, rare, and curious Ammonite, akin to A. cornutus. Mr. M. has also deposited a fine specimen of A. spicatus, until another can be procured.

Messrs. RENE LE FRANC, and MARIE PIERRE.—A large head of the Sea Wolf, and the head of a Shark, taken near Iceland.

Miss RIPLEY.—A beautiful collection of 52 dried Plants, from New Zealand.

Mr. M. SIMPSON.—A very large, and fine specimen of A maculatus, a new species of Ammonite, and other fossils from the lower lias at Peak, 20 Belemnites, and 5 other fossils, from the upper lias near Whitby; and Two Essays on Fossil Saurians, by Professor Owen, illustrated with Plates.

JAMES YATES. ESQ., *London*.—A specimen of Polypodium Bilardieri, to illustrate a rare fossil Fern, (Camptopteris) in the Museum.

PRESENTED TO THE MUSEUM

SINCE THE PUBLICATION OF THE THIRTY-FIRST REPORT.

THOMAS CHAPMAN, ESQ., F.R.S.—A fine Bronze Medal by Wyon.

Mrs. G. CLARK.—A very fine collection of Corallines, 36 species; 5 Crustacea, and 3 Star fishes, from the coast near Whitby; 6 Shells. A collection of 20 duplicate Corallines, and 50 British Shells, for sale or exchange.

Mr. W. N. CLARKSON.—An Ammonite.

Mrs. HUNTON.—3 bottles containing specimens of Teredo, and a fine specimen of Astacus crangon.

Mr. H. KNAGGS.—A mass of Serpulæ.

Mr. LECKENBY, *Scarbro'*.—A collection of rare British Shells.

LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY.—Proceedings No. 12, 1851, and 1853.

NUMISMATIC SOCIETY.—Mr. T. Chapman, and Mr. R. Ripley, the only two surviving Members, of the Whitby Numismatic Society, the whole of their Numismatic Library, viz.:—

Ackerman's Numismatic Chronicle, 2 vols. and 36 Nos.
" Journal, 2 vols.
" Manual, 1 vol.

Ackerman's Roman Coins, 2 vols., 8vo.
Bie on Roman Gold Coins, 1 vol., 4to. small.
Conder's Provincial Coins, 1 vol., 8vo.
Cardonnel on Scottish Coins, 1 vol , folio.
Coins of all the Cæsars, 1 vol , 4to small.
Hawkins' English Silver Coins, 1 vol., 8vo.
Hortas' Catalogue of Medals, 1 vol., 8vo.
Ruding's British Coinage, 1 vol., 4to.
„ Annals of the Coinage, 5 vols., 8vo.
Simon on Irish Coins, 1 vol., 4to.
Vaillant's Coins of the Roman families, 2 vols., folio.
„ Roman Coins in the Colonies, 1 vol., folio.

Capt. RICHARDS, *Stettin.*—8 Prussian Coins.

Mr. R. RIPLEY.—A valuable collection of more than 100 fossils, from the lias near Whitby; including many new and rare species, and many curious and interesting varieties; amongst which, is a fossil ink-bag of the ancient Sepia; and also a number of specimens from other localities.

Mr. M. SIMPSON.—A collection of 366 fossils, viz.: 17 Red marl near Manchester; 9 Plants, 30 Mollusca, 180 Teeth, Scales, and coprolites of fishes from the upper coal measures near Wakefield; 3 Plants, 32 Mollusca and Fish, from the Carboniferous Limestone and shale, W. R. Yorkshire; and 83 rare lias fossils. 100 Shells, and 12 fossils, for sale or exchange. Deposited 2 polished specimens of Ammonites, until better can be procured.

HENRY THOMAS, ESQ., *Pinchinthorp near Guisbro'*, through Messrs. Flintoft and Greenbury.—2 Fossil Fishes from the Jet rock near Guisbro'.

BRIT. MUS.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY

IN ACCOUNT WITH THE TREASURER.

October 27th, 1854.

DR.

	£.	s.	d.
To Cash paid Varley for Collecting	1	2	6
Rent of Museum	15	0	0
To Cash paid into Bank in further liquidation of debt	10	0	0
Mr. Graham of York	6	0	0
Mr. Wilkinson, Glazier *(two bills)*	3	8	11
Cleaning Museum and Incidental Expenses	3	8	0
Due from Treasurer	2	19	4
	£41	18	9
N.B. There was a Balance due to the York City and County Bank, on the 1st Jannary, 1854	123	19	7

CR.

	£.	s.	d.
By Cash received from Treasurer	0	17	9
By Subscriptions received	31	1	0
By Cash received for the admission of strangers	10	0	0
	£41	18	9

BRIT. MUS
16 JUN 29
NAT. HIST.

WHITBY:
SILVESTER REED, PRINTER, OLD MARKET PLACE.

BRIT. MUS.
15 JUN 29
NAT. HIST.

33 1835

BRITISH MUSEUM
NATURAL HISTORY

THE

THIRTY-THIRD REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, October 26th, 1855;

WITH THE

Laws and Regulations of the Society,

AND A

LIST OF THE OFFICERS AND MEMBERS.

COOPER'S CUT, NEAR NEWBIGGIN.

WHITBY:
R. HORNE, PRINTER AND BOOKSELLER,
BRIDGE STREET.

1855.

BRITISH MUSEUM
NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

Every person desirous of bequeathing to the Society any sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following form:

I give and bequeath to the Trustees, for the time being, of the Whitby Literary and Philosophical Society the sum of

to be paid out of such part of my personal estate, as I may legally charge therewith (or here enumerate the effects or property intended to be bequeathed.) And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy.

Thirty-third Annual Report.

The Council of the Whitby Literary and Philosophical Society, in accordance with the rules of the Institution, have now, in completion of the duties of their Office, to submit to the Members a brief report of the transactions of the Society during the thirty-third year of its existence.

The Committee have to regret that, in consequence of not being able to afford proper accommodation, no local talent has been made available in the production of Lectures or Essays on literary or scientific subjects of popular interest. This difficulty the Council hope soon to have removed; and it is gratifying to them to be able to report, that the usefulness and importance of the Institution are yearly becoming more apparent, and that the Museum is an increasing ornament to the Town and District, and calculated to be a valuable auxiliary in scientific researches.

In the last annual report a doubt was implied as to the acceptance of the Presidency of the Society by Robert Stephenson, Esq., M.P., who, it will be remembered, had been unanimously chosen to that Office at a special general Meeting, convened for the

purpose. It affords, therefore, your Council great pleasure to state that during Mr. Stephenson's visit to Whitby, subsequent to the last Annual Meeting, he assumed the duties of President of the Institution; and they cannot but express their conviction that the Society's intimate connection with a gentleman of such eminence and great scientific attainments, will not fail to raise it in public estimation, and materially to promote the objects it has in view.

Your Council have much pleasure in stating that the Bath Company at a general Meeting, held expressly for the purpose, unanimously agreed to accept £950 for the purchase of their building, as expressed in the following resolution: — "It was unanimously resolved, on the motion of Mr. George Vasey, seconded by Thomas Richardson, Esq., that John Chapman, Esq., as Chairman of the Whitby Literary and Philosophical Society, having offered the sum of £950 for the purchase of the Whitby Public Baths and premises, with the fixtures, furniture and appurtenances thereunto belonging, the same be accepted on the understanding that the Subscription Library should not be disturbed; and that the purchase be completed on or before the 22nd day of April, 1856."

Signed, "JOHN WILSON,
Chairman of the Meeting."

The attraction of the Museum to strangers, and

others interested in scientific pursuits, continues unabated, and the admissions during the past exceed in number those registered during the preceding year: your Committee however are sorry to add that the payments for admission amount only to £7 10*s.*, being considerably less than the sum which might reasonably have been calculated on—a result attributable to the increased number of free admissions granted by Members—and your Council would therefore, from pecuniary considerations, impress on the Members of the Society the necessity of a strict adherence to the regulations as regards free admissions.

The Treasurers' account, which is annexed in the usual form, shows the financial position of the Society. The expenses incurred, as alluded to in the last report, in providing an additional glass case and other necessary fittings to the Museum, have exhausted the Society's resources, and your Council would therefore again solicit the aid of the Members in procuring additional subscribers to the Institution.

In order to improve the pecuniary position of the Society, and to create a fund towards the completion of the purchase of the Museum building, the Council have decided to have a Bazaar on a scale commensurate with the object in view, and recommend that it should be held in the month of August or September in the ensuing year; and the Members are earnestly invited to co-operate and request the assistance of their

friends in prosecuting the plan to a successful issue: the Council reccommend also that special contributions be solicited for this object.

The additions to your Museum duriug the year have exceeded in number and importance those of any former year, and your Council would especially notice a large and curious collection of publications, principally the production of local talent, or otherwise having reference to the Town and neighbourhood; these, as well as 200 specimens in various branches of natural history, have been chiefly presented by Mr. Ripley, whose liberality and practical zeal in the Society's cause your Council have on this, as on many former occasions, gratefully to acknowledge.

The following pecuniary and other donations also call for the Society's especial acknowledgements:—viz., £10 from Robert Stephenson, Esq., M.P., and £2 through Mr. Ripley, from Richard Clapham, Esq., of Austwick Hall.

The donation of Mr. Stephenson was for the purchase of books of reference; and the amount has been judiciously expended by Mr. Simpson in securing the works mentioned in the list of donations.

Your Council trust these may be the nucleus of a library of reference, and that it may be in the power of the Society to make additions from time to time in this department of their collection, which has been hitherto, from pecuniary necessities, greatly neglected.

The continued valuable services of Mr. Simpson, rendered gratuitously, in arranging and marking the contents of the Museum — a work involving great labour and scientific knowledge—are, your Council believe, deeply appreciated by the Members of the Society; and they cannot omit again to notice Mr. Simpson's unabated zeal and energy in promoting the progress of the Institution, and the devotion of his time and talents to that object.

The continuation of the manuscript catalogue of the contents of the Museum, has occupied much of Mr. Simpson's attention, and the list of Lias Fossils, comprising the names of nearly 1000 specimens, is nearly completed. Your Council hope that at a future period the funds of the Society will warrant its being printed, if not at length, at least in a condensed form.

It is with sincere regret that your Council have to report the death, during the past year, of Mr. James Wilkinson, the respected treasurer of the Society, and it will therefore be the duty of the present meeting to fill up the office thus rendered vacant.

In conclusion the Council would congratulate the Members on the growing prosperity of the Society, and trust that by future exertions the same causes for congratulation may continue to exist.

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other inhabitants of Whitby shall be gratuitously admitted except Benefactors and Honorary Members. Strangers who have their residences above ten miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix. On special occasions, the Curators or the Secretaries may admit Members or strangers to the Museum on those days when it is usually shut.

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3. Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the members introducing them, shall be entered in a book kept for that purpose in the Museum.

5. No person admitted to the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7. The Museum shall be open to the Public on the first Monday in each month, from 11 to 1, under the following restrictions:—

(1.) The admission shall be by ticket, given by any member or subscriber.

(2.) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR THE YEAR 1855—6.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President.

ROBERT STEPHENSON, Esq., M.P.

Vice-Presidents.

CHR. RICHARDSON, Esq. | J. CHAPMAN, Esq., St. Hilda's.

Treasurer.

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

Committee.

H. BARRICK, Esq., West Side
J. BLANCHARD, Esq.
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MR. J. CORNER.
REV. W. KEANE, A.M.
MR. F. K. ROBINSON.
MR. W. STONEHOUSE.
DR. WILSON.

Governors by Subscription.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HON. THE EARL OF MULGRAVE, M.P.
THE RIGHT HONORABLE LORD FEVERSHAM.

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E. H. CHAPMAN, Esq.
E. W. CHAPMAN, Esq.
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C. RICHARDSON, Esq.
R. RIPLEY, Esq.
MR. M SIMPSON.
MR. RICHARD CRAVEN.

Secretaries.

MR. W. N. CLARKSON. | MR. RICHARD RIPLEY.

Curators.

T. W. BELCHER, Esq. | DR. MERRYWEATHER.

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY,
THE RT. HONORABLE THE EARL OF MULGRAVE, M.P.
THE RIGHT HONORABLE LORD FEVERSHAM.
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T. W. Belcher, Esq.
J. C. Bewick, Esq.
John Blanchard, Esq.
Richard Brewster, Esq.
Rev. J. B. Brodrick, A.M.
Mr. Gideon Buck.
T. Chapman, Esq., F.R.S., F.S.A.
Edward Henry Chapman, Esq.
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Colonel George Cholmley.
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Dr. Dowson.
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Mrs. Hunton.
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Mr. Robert Kirby.
Mr. Henry Knaggs.
Dr. G. Merryweather.
Mr. W. Morley.
Mr. William Nicholson.
Mr. William Newton.
Mr. George Parke.
George Peirson, Esq.
Thomas Percival, Esq.
C. Richardson, Esq.
C. Richardson, Esq., St. Hilda's
Thomas Richardson, Esq.
Richard Ripley, Esq.
Mr. Silvester Reed.
Mr. F. K. Robinson.
Mr. Martin Simpson.
Mr. M. L. Simpson.
Gideon Smales, Esq.
Mr. J. Stevenson.
Trustees of Sneaton Estate.
Mr. William Stonehouse.
John Taylerson, Esq.
Mr. Thomas Hill Trueman.
Rev. W. H. Trendell.
Mr. Thomas Turnbull.
W. Usherwood, jun., Esq.
Mr. George Vasey.
Thomas Watson, Esq. (mont.
Rev. W. H. Wilkinson, Gros-
James Wilkinson, Esq.
John Wilson, Esq., M.D.
H. W. Yeoman. Esq.

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Mr. S. Braithwaite,
Robert Breckon, Esq.
John Buchannan, Esq.
J. B. Chapman, Esq., *London.*
John Waddington, Esq.
James Walker, Esq.

HONORARY MEMBERS.

Professor Louis Agassiz, M.D. ..... *Neufchatel.*
Rev. Henry Acheson, B.A , F.C.P.S. ..... *London.*
Rev. R. J. Barlow, ... *Hutton Rudby.*
William Bean, Esq., ... *Scarborough.*
Charles Belcher, Esq., ... *Warwick*
Very Rev. W. Buckland, D.D., F.G.S., &c., *Dean of Westminster.*
Thomas Clark, Esq., ... *Liverpool.*
Edwin Cockburn, Esq., ... *London.*
Mr. Christopher Crawford, ... *London.*
Timothy A. Curtis, Esq., ... *London*
W. H. Dikes, F.L S., ... *Wakefield.*
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William Fryer, Esq., ... *Newcastle.*
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W. Hutton, Esq, ... *Newcastle.*
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Major Constantine Moorsom..... *Birmingham.*
Sir Rodrick I. Murchison, F.R.S, F.G.S., &c.,.....*London.*
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Mr. W. Robertson ..... *Newcastle.*
Mr. J. W. Robinson, ... *London.*
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Mr. Andrew Sanders, ... *Stockton.*
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Wakefield Simpson, Esq.,.....*New South Wales.*
Rev. W. Stobbs,.....*Stromness.*
Arthur Strickland, Esq., ... *Bridlington Quay.*
Mr. William Trueman, ... *Durham.*
Rev. W. Turner, ... *Manchester.*
George Watson, Esq., ... *Leeds.*
W. J. West, Esq.,..... *Tunbridge.*
Mr. Thomas Wellbank, ... *London.*
Mr. James Wilcox, ... *Hovingham.*
Mr. J. Williamson,.....*Scarborough.*
Thomas W. Wilson, Esq., ... *Beverley.*

DONATIONS.

J. C. BEWICK, Esq.—Specimens of Lias fossils. from the Ironstone, Grosmont.

Mr. BRAIM.—2 specimens of Patella testudinalis

Rev. J. B. BRODRICK.—3 Sermons on the Trinity.

T. CHAPMAN, Esq., F.R.S.—Ordnance Map of the town of Whitby, and part of the Ordnance Map of the vicinity.

Mrs. G. CLARK.—27 Corallines, a fine collection of Algæ, 52 specimens mounted on cards, from the coast near Whitby; and 36 rare British shells.

ROYAL SOCIETY OF EDINBURGH.—3 Numbers of their Proceedings.

Mrs. HUNTON.—4 Fishes, 6 bottles containing Snakes and a collection of Insects.

LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY.—Philosophical Proceedings for 1853, 1854, 1855.

JOHN LECKENBY. Esq., *Scarbro'*.—157 British Shells.

JOSEPH MAYER, Esq., F.S.A., *Liverpool.*—31 Prints and 3 Medals.

P. S. PARKER, Esq., *Wakefield.*—A collection of fossils.

R. RIPLEY, Esq.—200 Lias fossils, London Geological Journal, 3 nos., Kidd's Geological Essay, Lyell's Geology, 4 vols., Phillip's Geology of Yorkshire, 2 vols.. King Coal's Levee, Case's Angelical Guide, 8 nos., of the Transactions of London and Edinburgh Philosophical Societies, Scarbro' Catalogue, Owen's Fossil Reptiles, Ross on Telescopes, Prophecy, 3 essays. *Books published in Whitby*, viz., Buchannan's Poems, Mann's life of Sir Hugh Cholmley, Haydock's Catholic Kalendar, Peel's Hymns, Forth's God and

Prayer, Hicks' Man, Merryweather's Tempest Prognosticator, Miscellaneous Publications, 1 vol., Political Tracts, 1 vol., Richardson's Muse, Religious Tracts, &c., 1 vol., Ripley's Faith and Works, Ripley's Religious Experience, Ripley's Sermons and Letters, &c., Sermons, 1 vol., Watkins' Lay Sermons, Watkins' Life of Myers, Watkins' Scarbro' Tales, Watkins' Whitby Spy, Watson's Plain Statement, Watson's Dissertations, Winter's Harp of St. Hilda, Whitby Treasury, Young's Life of Cook, Young's Botanic Garden, Young's Lectures on Jonah, Young's Vindication, Walker's Calculator.

Mr. F. K. ROBINSON.—Glossary of Yorkshire words.

Mr. MARTIN SIMPSON.—Cunn's Euclid, L'Homond's French and Latin Grammar, Moore's Standard Money, Shuler's Cometology.—*Books published at Whitby;* Moffat's glories of Messiah, 2 vols., Stones's Short Hand, Monograph of Lias Ammonites, Young's Scripture Geology.

Mr. JOHN STEWART.—A bottle of Snakes in spirits.

ROBERT STEPHENSON, Esq., M.P.—Forbes and Hanley's Mollusca, 4 vols., Gwilt's Chambers' Architecture, 2 vols., Gwilt's Vitruvius, Part of the Ordnance Map of the vicinity of Whitby.

PURCHASED BY THE SUBSCRIPTION OF SOME OF THE MEMBERS. — Bell's British Crustacea, Lyell's Manual of Elementary Geology.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY

IN ACCOUNT WITH THE TREASURER.

OCTOBER 26TH, 1855.

BRIT. MUS. 15 JUN 28

Dr.

October 26th, 1855.	£.	s.	d.
Cash paid Bath Company for one year's Rent	15	0	0
Cash paid Bank per C. Richardson, Esq.	10	10	0
Cash paid Bank per E. H. Chapman, Esq.	5	5	0
Richard Clapham, Esq.	2	0	0
Dr. Graham, balance of account	2	0	0
Printing Reports, Notices, and collecting Subscriptions	8	8	6
Mr. Vasey, in part for Glass Case	12	0	0
Mrs. Hill cleaning Museum, and incidental Expenses	4	3	8
	£59	7	2

Cr.

October 26th, 1855.	£.	s.	d.
Cash from Treasurer	2	19	4
Sundry Subscriptions	30	6	6
C. Richardson, Esq.	10	10	0
E. H. Chapman, Esq.	5	5	0
Richard Clapham, Esq.	2	0	0
W. Wilkinson, overcharge	0	9	0
Admissions	7	10	0
Cash due Treasurer to Balance	0	7	4
	£59	7	2

R. HORNE, PRINTER AND BOOKSELLER, BRIDGE STREET, WHITBY.

BRIT. MUS.
16 JUN 29
NAT. HIST.

Rev^d Wm Keane
Bagdale

1856

BRITISH MUSEUM
NATURAL HISTORY

THE

THIRTY-FOURTH REPORT

OF THE

Whitby Literary

AND

Philosophical Society,

Presented at the Annual Meeting, October 31st, 1856;

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

AND A

LIST OF THE OFFICERS AND MEMBERS,

&c.

Whitby from Larpool Wood.

Whitby:
W. NEWTON, PRINTER AND BOOKSELLER,
BAXTERGATE.

1856.

BRITISH MUSEUM NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

Every person desirous of bequeathing to the Society any sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following form :

"I give and bequeath to the Trustees, for the time being, of the Whitby Literary and Philosophical Society the sum of

to be paid out of such part of my personal estate, as I may legally charge therewith (or here enumerate the effects or property intended to be bequeathed). And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

Thirty-fourth Annual Report.

The termination of the official year having arrived, the Council of the Whitby Literary and Philosophical Society begs to submit, as usual, a brief statement of the transactions of the Society during that period.

The Council regrets that the Bath Company's property, though all preliminaries are arranged, has not yet been formally conveyed to the Trustees of this Society ; the delay does not however rest with the officers of this Institution, and your Council entertains the hope that in a short time this business may be finally concluded.

The Council is gratified to be able to announce that an increased number of strangers have visited the Museum dnring the past year, thereby augmenting in a corresponding degree the amount received for admission:—the Sum paid for entrance during the year being £10 2s. 6d.

With regard to the financial position of the

Institution, the Council has much satisfaction in stating that, owing to the admission of several new Members, and the advantages which they confidently expect will accrue from the purchase of the Museum Building, there is good reason to hope that in future years the pecuniary resources of the Society will be materially enlarged, and its power of usefulness proportionately increased.

The Treasurer's account, which is annexed, exhibits the financial position of the Society at the close of the current year.

In order to raise a Fund for the purchase and alteration of the Museum Building, your Council in the early part of the year made a canvass of the town and neighbourhood for pecuniary aid, and their exertions were so far successful that, including Dr. Scoresby's conditionally promised donation of £300, they realized a sum of £813 12s. A list of the contributors to the Fund is appended to this Report; and to testify the Society's high appreciation of the liberal response to their appeal for pecuniary aid on this occasion, your Council recommends that all contributors of £10 10s. and upwards to the Building

Fund, who may desire it, be elected life Members of the Institution, subject however to the conditions imposed by the 9th Rule.

In accordance with the recommendation of the Report of the last Annual Meeting of the Society, a Bazaar in aid of the General Funds was held on the 10th and 11th of September last, and though the sanguine expectations of some of its promoters were not fully realized, your Council sees no reason to be disappointed with the result, as the proceeds, after paying all incidental expenses, amounted to £112 17s.

The Council feels sure the Members generally will not fail to recognise the obligation the Society is under to the Lady Patronesses, and to those ladies who so kindly exerted themselves in organising and promoting the Bazaar.

The Council has to acknowledge the receipt of many valuable donations during the past year; amongst those most worthy of notice, may be mentioned a collection of important geological works, presented by her Majesty's Government through the medium of Sir R. Murchison, and a valuable Cabinet of Fossils by Richard Ripley, Esq.

The Baths having been found on investigation to require extensive repairs before they could be made available for the current season, your Council had no alternative but to put them into a comparative state of efficiency; accordingly, under the superintendence of Mr. Simpson, the necessary outlay was made, and your Council is happy to add that they found no difficulty in leasing them for £25 per annnm to Mr. William Hill, whose wife has had for many years the management of the establishment under the Bath Company.

The Council must not omit again to acknowledge the obligation the Society is under to Mr. Martin Simpson for the continuance of his able services in arranging and superintending the Museum generally, and to express regret that the state of the Society's funds does not admit of an adequate remuneration being awarded him.

The Council has still to lament that so little has been done in the way of Lectures during the past year; the only paper read to the Society being by Dr. Dowson, whose interesting treatise, on the supposed insanity of Sir Isaac Newton, afforded much gratification and instruction to the Members present.

The Council has to report the following changes in the Officers of the Society during the year. Mr. W. N. Clarkson having resigned the office of Secretary on account of professional avocations, Mr. E. W. Chapman was appointed to supply his place, and Mr T. W. Belcher, having resigned the office of Curator Mr. Clarkson was elected to fill up the vacancy; the Council recommend that the new appointments be confirmed by the General Meeting.

In conclusion—the Council sees cause for congratulation in the progress made by the Society during the past year, and ventures to indulge the hope that the operations of each succeeding year will advance its usefulness, and contribute to ensure its permanent stability.

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1. The Museum shall be open from half-past Ten to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day except Sunday by applying at the Baths.

2. Any Member or Subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary Members or Benefactors, and not belonging to the household of a Member or Subscriber, shall pay one shilling each for admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

3. Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the Members introducing them shall be entered in a book kept for that purpose in the Museum.

5. No person admitted to the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or any thing likely to occasion damage.

7. The Museum shall be open to the Public on the first Monday in each month, from 11 to 1, under the following restrictions:—

(1.) The admission shall be by ticket, given by any Member or Subscriber.

(2.) Children under fourteen years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR THE YEAR 1856—7.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President.

ROBERT STEPHENSON, Esq., M.P.

Vice-Presidents.

CHR. RICHARDSON, Esq. | JOHN CHAPMAN, Esq., (St. Hilda's).

Treasurer.

CHRISTOPHER RICHARDSON, Esq., (St. Hilda's).

Committee.

J. BLANCHARD, Esq.
REV. J. B. BRODRICK, A.M.
MR. J. CORNER.
REV. W. KEANE, A.M.
MR. F. K. ROBINSON.
MR. W. STONEHOUSE.
MR. J. TAYLERSON.
DR. WILSON.

Governors by Subscription.

THE MOST NOBLE THE MARQUIS OF NORMANBY,

THE RIGHT HONORABLE THE EARL OF MULGRAVE, M.P.

THE RIGHT HONORABLE LORD FEVERSHAM.

H. BARRICK, Esq., (West Side.)
J. B. CHAPMAN, Esq.
E. H. CHAPMAN, Esq.
T. CHAPMAN, Esq., F.R.S.
J. CHAPMAN, Esq., (St. Hilda's.)
E. W. CHAPMAN, Esq.
W. R. CHAPMAN, Esq,
COL. G. CHOLMLEY.
MR. RICHARD CRAVEN.
C. RICHARDSON, Esq., (St. Hilda's)
R. RIPLEY, Esq.
MR. M. SIMPSON.
H. W. YEOMAN, Esq.

Secretaries.

RICHARD RIPLEY, Esq. | E. W. CHAPMAN, Esq.

Curators.

DR. MERRYWEATHER. | MR. W. N. CLARKSON.

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONORABLE THE EARL OF MULGRAVE, M.P.
THE RIGHT HONORABLE LORD FEVERSHAM.
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H. Barrick. Esq., (West Side)
T. W. Belcher, Esq.
J. C. Bewick, Esq.
John Blanchard, Esq.
Rev. J. B. Brodrick, A.M.
Mr. Gideon Buck.
T. Chapman, Esq., F.R.S., F.S.A.
Edward Henry Chapman, Esq.
Edward W. Chapman Esq.
John Chapman, Esq., (St. Hilda's)
Joseph B. Chapman, Esq.
W. R. Chapman, Esq.
Colonel George Cholmley
W. N. Clarkson, Esq.
Mr. John Corner, Jun.
Mr. R. Craven
Mr. W. Dotchon
Dr. Dowson
William Frankland, Esq.
Mr. Isaac Greenbury
Mr. Robert Hamilton
Mr. Ralph Horne
Rev. J. Hughes, B.A.
Mr. John Hugill
Mrs. Hunton
Joseph Hunter, Esq.
Rev. W. Keane, A.M., M.R.A.S.
Rev. George Keasley
Mr. Robert Kirby
Mr. Henry Knaggs
Dr. G. Merryweather
Mr. William Morley
Mr. William Nicholson
Mr. William Newton
George Peirson, Esq.
Thomas Percival, Esq.
C. Richardson, Esq.
C. Richardson, Esq., (St. Hilda's)
Thomas Richardson, Esq.
Richard Ripley, Esq.
Mr. Silvester Reed
Mr. F. K. Robinson
E. Sherwood, Esq., M.D.
Mr. Martin Simpson
Mr. M. L. Simpson
Gideon Smales, Esq.
Mr. J. Stevenson
Trustees of Sneaton Estate
Mr. William Stonehouse
John Taylerson, Esq.
Mr. Thomas Hill Trueman
Mr. Thomas Turnbull
W. Usherwood, jun., Esq.
Mr. George Vasey
Thomas Watson, Esq
John Wilson, Esq., M.D.
H. W. Yeoman, Esq.

ANNUAL SUBSCRIBERS.

Joseph Barker, Esq.
Robert Breckon. Esq.
John Buchannan, Esq.
John Waddington, Esq.
James Walker, Esq.

HONORARY MEMBERS.

Professor Louis Agassiz, M.D. .....*Neufchatel*
Rev. Henry Acheson, B.A., F.C.P.S.....*London.*
Rev. R. J. Barlow .....*Hutton Rudby.*
William Bean. Esq. .....*Scarborough.*
Charles Belcher, Esq. .....*Warwick.*
Thomas Clark, Esq. .....*Liverpool.*
Edwin Cockburn, Esq.....*London.*
Timothy A. Curtis, Esq. .....*London.*
W. H. Dikes, F.L.S.. .....*Wakefield.*
Captain Stephenson Ellerby.....*London.*
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William Fryer, Esq. .....*Newcastle.*
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W. Hutton, Esq. .....*Newcastle.*
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J. Leckenby, Esq..... .....*Scarborough.*
John Edward Lee, Esq. ....*Hull.*
John Mewburn, Esq., M.D. ....*Stamford, Upper Canada.*
Major Constantine Moorsom .....*Birmingham.*
Sir Roderick I. Murchison, F.R.S., F.G.S., &c.....*London.*
John Phillips, Esq., F.G.S., &c. .....*Oxford*
Mr. W. Robertson .....*Newcastle.*

Mr. J. W. Robinson ....*London.*
Rev. J. Rutherford .....*Channelkirk.*
Mr. Andrew Sanders ....*Paramatta, N. S. W.*
W. D. Saul, Esq., F.G.S., &c. .....*London.*
Rev. W. Scoresby, D.D., F.R.S., M.W.S., &c.....*Torquay.*
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Wakefield Simpson, Esq. .....*New South Wales.*
Rev. W. Stobbs... .....*Stromness.*
Arthur Strickland, Esq. .....*Bridlington Quay.*
Mr. William Trueman.....*Durham.*
Rev. W. Turner ....*Manchester.*
George Watson, Esq. .....*Leeds.*
W. J. West, Esq. .....*Tunbridge.*
Mr. Thomas Wellbank .....*London.*
Mr. James Wilcox .....*Hovingham.*
M. J. Williamson .....*Scarborough.*
Thomas W. Wilson, Esq. ....*Beverley.*

DONATIONS.

Lieut. Bainbridge, R.N.,—A Mantis in Spirits, from the Crimea.

Patrick Black, Esq.—A large specimen of the Common Lobster encrusted with Serpula triquetra.

John Blanchard, Esq.—A beautiful collection of 50 Plants from Nice.

Mr. J. Braim.—A Manuscript Catalogue of the Birds observed in the neighbourhood of Whitby.

Mr. Chapman, *Fossil Dealer*.—The Skeleton of a Mole.

G. Clrak, Esq, *London*.—A large Bat from Australia, through Mr. Bewick.

Mrs. Clark, *Grosmont Lodge*.—A pair of handsome Slippers, from Russia.

Mrs. G. Clark.—A fine specimen of Cancer mænas, 4 Hermit Crabs, 2 Star Fishes, and 12 British Ferns.

Miss Cole, *Pickering*.—19 Copper Coins, through Dr. Dowson.

Royal Society of Edinburgh.—Proceedings for 1855—6.

Leeds Philosophical Society.—Report for 1855—6.

Liverpool Literary and Philosophical Society.—Their Proceedings for 1855—6.

Mr. W. Morley.—A Number of the Philosophical Magazine.

Sir R. Murchison.—On the part of Her Majesty's Government, Report on Cornwall, Devon, &c., by Sir H. De la Beche ; Palæozoic Fossils, in Do., by Prof.

Phillips; Memoirs of the Geological Survey, Vol., 1, 2, (Parts 1 and 2); British Organic Remains, Decades, 1, 2, 3, 4, 5, 6, 7, 8; Records of the School of Mines, Parts 1, 2, 3, 4; Mineral Statistics for 1854.

Mr. G Parke.—11 specimens of Ironstone from Raithwaite, 1 specimen of Magnetic Iron Ore from Rosedale, all from the Inferior Oolite.

C. Richardson, Esq., *Field House*.—An old Manuscript relating to the purchase of a Telescope.

R. Ripley, Esq.—An Oak Cabinet and a large collection of Fossils.

Scarbro' Philosophical Society.—24th Report.

Mr. M. Simpson.—A fusiform Belemnite from the lower lias, Robin Hood's Bay, 4 Parts of the publications of the Cotteswold Naturalist's Club.

W. R. Yorkshire Geological and Polytechnic Society.—Report for 1855.

Abstract of the Treasurer's Account

For the Year ending 31*st October*, 1856.

Dr.

	£.	s.	d.
To Members Subscriptions	28	6	6
„ Annual Subscriptions	4	4	0
„ Mr. Richard Craven, Life Governor	5	5	0
„ Mr. Henry Barrick, ditto	10	10	0
„ Admissions to the Museum	10	2	6
	£58	8	0
To Balance	20	15	2

Cr.

	£	s.	d.
By Cash paid late Treasurer, Balance of last Account	0	7	4
„ Reed, Printing Reports, &c., for 1854	3	15	6
„ Horne, ditto ditto for 1855	3	8	0
„ Newton, for Printing, &c	2	0	0
„ Vasey, balance of account for Glass Case	12	10	0
„ Mrs. Hill, Cleaning Museum..., &c.	2	4	0
„ Collector's Commission	1	10	6
„ Sundry Incidental Expenses	1	7	6
„ Bankers, to Credit of the Building Fund	10	10	0
„ Balance in the hands of the Treasurer	20	15	2
	£58	8	0

Examined:—
John Chapman, Chairman.

LIST OF SUBSCRIBERS

To the Fund for purchasing the "Bath Building," for the permanent accommodation of the "Whitby Museum."

	£.	s.	d.
Agar, Robert	0	2	6
Andrew, Thomas	0	10	0
Andrew, Rev. William ...	1	0	0
Andrew, James	0	2	6
Andrew, John	0	1	0
Appleby, Thomas	0	10	0
Anonymous, per T. W. Belcher	1	0	0
Banks, Francis	0	2	6
Barker, William...	0	2	6
Barrick, Henry, (West Side)	10	0	0
Barry, Robert	10	0	0
Barry, Thomas	5	0	0
Barry, Rev. W. (Blisworth)	5	0	0
Bate, Isaac	0	10	0
Bell, William	0	2	6
Berry, George	0	2	6
Blanchard, John	10	10	0
Bourne, Thomas R.	5	0	0
Breckon, Richard	0	5	0
Brodrick, William, (London	5	0	0
Brodrick, Rev. J. B.	2	0	0
Brown, William	1	0	0
Buchanan, John	2	0	0
Buckton, George, (Hull) ...	1	0	0
Burn, Samuel	0	2	6
Bye, Henry	0	2	6
Calvert, F. B.	0	5	0
Cavallier, William	0	10	0
Chapman, Mrs. Edward ...	5	0	0
Chapman, John, (Stakesby)	10	0	0
Chapman, Thomas, F. R. S.	50	0	0
Chapman, J. B. (London)...	10	10	0
Chapman, E. H. (London)	10	0	0
Chapman, W. R., (Do.) ...	10	10	0
Chapman, John, (St. Hilda's)	10	0	0
Chapman, Edward William	5	0	0
Churton, Ven. Archdeacon	2	2	0
Chettleburgh, Daniel... ...	0	2	6
Clark, Mrs., (Hollins) ...	50	0	0
Clark, Thomas, (Liverpool)	1	0	0
Clark, Mrs., George	0	5	0
Clarkson, William N... ...	2	0	0
Clarkson, T. N.	1	0	0
Clayton, W. C., (London)...	3	3	0
Clifford, John	0	2	6
Cole, V.	0	2	6
Cooper, James	0	2	6
Corner, John, jun.	1	0	0
Corney, John & Son	0	10	0
Crane, Edward	0	5	0
Craven, Richard	0	10	0
Dale, John	0	1	0
Dale, Joseph B....	0	5	0
Dale, Edward	0	5	0
Davie, Samuel	0	3	0
Dawson, William	0	2	6
Dobson & Co.	2	2	0
Duck, Newby	0	2	6
Duncombe, Col. the Hon. Octavius, M.P.	5	0	0
Falkingbridge, William ..	0	10	0
Farrage, Mrs.	0	2	6
Fatkin, Mrs.	0	2	6
Fearne, J. D., (Hull)... ...	1	0	0
Feversham, Right Hon. Lord	20	0	0

	£.	s.	d.
Fisher, Charles	0	2	6
Flintoft, Samuel...	0	10	0
Forth, Thomas	0	2	6
Friend...	1	0	0
Friend, per Rev. J. B. Brodrick	1	0	0
Friend...	0	2	6
Friend.	0	2	0
Friend...	0	1	0
Gale, Isaac...	0	2	6
Gates, —— (Peterbro') ...	1	0	0
Gill, John, (Hull)	0	10	0
Gladstone, ——	0	2	6
Green, John	0	5	0
Harrison, Christ.	0	10	0
Harrowing, Robert	0	5	0
Harvey, Mrs. Col.	0	10	0
Hayes, Henry	1	0	0
Hepton, William	1	0	0
Hesp, John...	0	2	6
Hewson, Rev. William ..	2	0	0
Hill, William	0	5	0
Horne, J. B.	0	2	6
Hughes, Rev. Joseph ...	1	0	0
Hugill, John	0	5	0
Hunter, Mrs. William ...	1	0	0
Hunter, Mrs. Benjamin ...	1	0	0
Hutchinson, Thos. (Brotton)	2	0	0
Jackson, Thomas	1	0	0
Jefferson, Lancelot	0	2	6
Jefferson, Mrs.	0	2	6
Keane, Rev. William ...	3	3	0
Kenyon, Capt. George, R.N.	0	10	0
Kirby, George Young ...	0	2	6
Knaggs, William	0	2	6
Knaggs, George Trattles ...	1	0	0
Lawson, John	0	5	0
Laycock, Rev. Joshua ...	1	0	0
Marwood, Thomas & Son ...	10	0	0
Mathews, W. Esq., Q. C.	10	0	0
Merryweather, George, M.D.	2	0	0
Merryweather, Samuel ...	0	5	0
Middleton, Mrs....	0	2	6
Milestone, ——...	0	2	6
Moorsom, Capt. W. R.N. C.B.	5	0	0
Morley, William D.	0	10	0
Morgan, William	0	10	0
Muir, ——	0	2	6
Mutter, James	0	5	0
Nicholson, J. B....	0	10	0
Normanby, The Marquis of	20	0	0

	£.	s.	d.
Pannett, William	0	2	0
Parke, George	1	0	0
Percival, Thomas	2	0	0
Peirson, George	10	0	0
Prosser, Alexander	0	5	0
Pybus, William	0	2	0
Ratcliff, John	0	10	0
Reed, Silvester	1	1	0
Richardson, Christopher, (St. Hilda's)	10	0	0
Richardson, Thomas	5	0	0
Richardson, Rev. J. (Willian)	5	0	0
Richardson, William (York)	2	2	0
Richardson, Isaac	0	2	6
Richardson, William	0	2	6
Ripley, Richard	2	0	0
Roberts, John	0	2	6
Robertson, John, (London)	1	1	0
Robinson, Francis K.... ...	2	0	0
Robson, Joseph	0	5	0
Scoresby, Rev. William D.D.	30	0	0
Slater, David	0	5	0
Smith, W. R.	0	2	0
Stephenson, R. Esq., M. P.	10	0	0
Stephenson, John	0	10	0
Stephenson, Appleton ...	1	0	0
Stewart, J. & T....	0	5	0
Stewart, ——	0	2	0
Stonehouse, William	0	10	0
Storey, Charles	0	10	6
Taylerson, John...	0	10	0
Taylor, John	0	5	0
Thistle, Thomas...	0	10	0
Tose, William	0	2	6
Turnbull, Thomas & Son ...	5	0	0
Turnbull, T. S.	0	2	6
Tyreman, William	0	2	6
Vasey, George	0	10	0
Vasey, George jun.	0	10	0
Ward, William	0	2	6
Walker. Rev. T....	0	2	6
Wilks, John	0	2	6
Wilkinson, John	0	10	0
Wilkinson, W. (Manchester)	1	0	0
Wilkinson, James	0	10	0
Wilkinson, John	0	10	0
Williamson, William... ...	0	5	0
Wilson, John, M. D.	5	0	0
Wilson, T. B., (Scarbro') ...	1	1	0
Wilson, Charles	0	10	
Wilson, Thomas jun.... ...	0	5	0

	£.	s.	d.
Woodwark, Thomas	0	5	0
Woodward, ——	0	5	0
Wright, William	0	2	6
Wright, Charles...	0	2	6
Yeoman, John	0	10	6

	£.	s.	d.
York, His Grace the Archbishop of	10	0	0
York, City and County Banking Company... ...	5	0	0

N. B. Further Subscriptions will be thankfully received.

Abstract of the Building Fund Account,

October 31*st*, 1856.

Dr.

	£.	s.	d.
To Contributions received	503	12	0
,, Nett Proceeds of Bazaar	112	17	0
,, Mr. Henry Barrick, Life Governor	10	10	0
	£626	19	0
To Balance	495	15	6

Cr.

	£	s.	d.
By Paid Bankers', Balance of Account	117	19	10
,, Paid Mr. M. Simpson, Gratuity	10	0	0
,, Paid Mr. W. Stonehouse, for Iron Pipes	3	3	8
,, Balance in the hands of the Society's Bankers	495	15	6
	£626	19	0

BRIT. MUS. 15 JUN 29 NAT. HIST.

Examined:—
John Chapman, Chairman.

WILLIAM NEWTON, PRINTER, ETC., BAXTERGATE, WHITBY.

THE

THIRTY-FIFTH REPORT

OF THE

WHITBY

LITERARY & PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, OCTOBER 30TH, 1857;

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

AND A

List of the Officers and Members, &c.

WHITBY:
SILVESTER REED, PRINTER, OLD MARKET PLACE.
1857.

BRITISH MUSEUM NATURAL HISTORY

Form of a Bequest to the Society.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other property, is requested to make use of the following form :—

"*I give and bequeath to the Trustees, for the time being, of the* WHITBY LITERARY AND PHILOSOPHICAL SOCIETY *the Sum of*

to be paid out of such part of my personal estate, as I may legally charge therewith (or here enumerate the effects or property intended to be bequeathed). And I direct that the receipt of the Treasurer of the said society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

THIRTY-FIFTH ANNUAL REPORT.

THE Council of the Whitby Literary and Philosophical Society, in accordance with the duties of their office, beg to submit, as usual, a short abstract of their proceedings during the past twelvemonth.

Your Council have the gratification of announcing that the purchase of the Bath Company's premises was finally effected in the month of June last, and the conveyance of the same duly completed, and they trust that no lengthened period will elapse before the contemplated alterations in the building will be adequately carried out; enabling them thereby to provide suitable accommodation for the important magnetic apparatus and interesting arctic relics bequeathed by the late Dr. Scoresby.

Your society have to deplore the loss during the past year of two of its most valuable members and active supporters, viz., the Rev. Dr. Scoresby and Richard Ripley, Esq.

In the decease of Dr. Scoresby the scientific world has sustained no small misfortune. His fame may truly be said to be world-wide, for his well known arctic voyages, his discoveries in magnetism, and his ardour

in scientific pursuits, have been the means of introducing him to the acquaintance of the learned men of all countries.

Intimately connected with this town, and deeply attached to it, those eminent talents as a lecturer with which he was endowed were ever at the service of any useful institution whose welfare he could thereby promote; and though it is not our place here to allude to Dr. Scoresby otherwise than in his public capacity, there are few of us who cannot bear testimony to his pleasing and courteous manners, and his private individual worth.

The removal, by death, of Mr. Ripley is also much to be lamented by your society. One of its originators, he has presented it with many of the fossils and curiosities now exhibiting in your museum, and notwithstanding his numerous professional engagements, it was his unceasing endeavour to promote the welfare of your institution on every occasion.

The Council have also to regret the loss, by death, of Mr. G. Buck, and, by their departure from Whitby, of Mr. John Chapman and Mr. Hugill. As your late Vice-President, Mr. Chapman's able and valuable services have at all times been freely rendered to your society; the before-named gentlemen were founders and considerable benefactors of your institution.

Your Council are sorry to observe that the sums received for admission during the past year only amount to 8*l.*, exhibiting some reduction compared

with 1856. It is hoped, however, that an increased number of strangers will visit the museum during the year ensuing, and that members will not so freely as heretofore avail themselves of the privilege of their gratuitous introduction.

Your Council beg to acknowledge with gratitude the numerous valuable donations contributed during the past year, among which the important bequest of Dr. Scoresby occupies a most prominent place.

An abstract of these articles will be found appended to the present report, furnished by Mr. Martin Simpson, whose scientific knowledge and energetic services your Council take the opportunity of gratefully acknowledging.

The Council regret that nothing in the way of lecturing has been done during the past year, but trusts that when a suitable room is provided this omission may be remedied.

But little change has taken place among the Officers of your society; the appointment of Mr. Francis K. Robinson as joint secretary in place of the late Richard Ripley, Esq., being the only alteration of importance.

The pecuniary position of the society will be evident on inspecting the accompanying accounts, and the Council trust it will be deemed satisfactory.

In conclusion, your Council express their belief that your society is in a state of progressive advancement, and indulge the hope that every year will increase its usefulness and prosperity.

LAWS AND REGULATIONS.

1. The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half-a-Guinea* annually, shall be Members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual subscription, shall be Governors of this Society.

3. The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight Members, shall form the Council of the Society.

4. The Council shall meet for transacting business on the first Thursday of every month, or as often as they shall find necessary; and three Members shall form a quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the Report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous articles, whether of Nature or Art; to which may be added Scientific Books and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week and under such regulations as the Council shall appoint. The families of Members *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted except Benefactors and Honorary Members. Strangers who have their residences above ten miles from Whitby, may be introduced by any Member, or may be admitted on such terms as the Council shall fix. On special occasions, the Curators or the Secretaries may admit Members or strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the institution, additional subscribers, paying Twelve Shillings yearly, in advance. Such Subscribers shall be admitted by ballot, a majority of at least three-fourths of the members present being required for their admission; and they shall have no share in the property of the society, have no vote at its meetings, and shall hold no office in it; but they shall have the privilege of introducing strangers to the Museum, or persons belonging to their own families.

10. Gentlemen who have rendered important services to the society, may be elected Honorary Members, without paying any subscriptions; but such Honorary Members shall have no share in the property of the society, or in the management of its concerns.

11. The Museum shall be open to the public one day in each month, under such restrictions as the Council may deem necessary.

12. The proportion which each Member has in the property of the Society shall be according to the whole amount paid for his share; and should the Institution be dissolved, the property shall be divided accordingly. But in the event of such a dissolution, all donations shall be returned, if required, to the donors, or their representatives; and all members who have sold property to the society at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each Member of the society shall be at liberty to sell or dispose of his share; and, if not previously disposed of, it shall, at his death, descend to his representative; but the society shall decide, by ballot, whether the purchaser or representative shall be admitted as a member of the institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life-Governor shall not be exempted from the Annual Subscription of Half-a-Guinea, without paying a sum of Five Guineas in lieu of such subscription.

14. The Annual Subscription shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any Member neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage to the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending member, and without the concurrence of three-fourths of the members present at the Public Meeting of the Society, held for that purpose.

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2. Any Member or Subscriber may introduce, personally, or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not honorary members or benefactors, and not belonging to the household of a member or subscriber, shall pay One Shilling each for admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

3. Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book, kept for that purpose in the Museum.

5. No person admitted to the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or anything likely to occasion damage.

7. The Museum shall be open to the public on the first Monday in each month, from 11 to 1, under the following restrictions:—

(1.) The admission shall be by ticket, given by any Member or Subscriber.

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OFFICERS FOR THE YEAR 1857-8.

PATRON.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

PRESIDENT.

ROBERT STEPHENSON, Esq., M.P.

VICE-PRESIDENTS.

CHR. RICHARDSON, Esq. | REV. J. B. BRODRICK, A.M.

TREASURER.

CHRISTOPHER RICHARDSON, Esq., (St. Hilda's.)

COMMITTEE.

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Mr. G. VASEY, Jun.
Mr. J. CORNER.
Rev. W. KEANE, A.M.
Mr. HENRY KNAGGS.
Mr. W. STONEHOUSE.
Mr. J. TAYLERSON.
Dr. WILSON.

GOVERNORS BY SUBSCRIPTION.

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THE RIGHT HONOURABLE LORD FEVERSHAM.

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W. R. CHAPMAN, Esq.
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SECRETARIES.

Mr. F. K. ROBINSON. | E. W. CHAPMAN, Esq.

CURATORS.

Dr. MERRYWEATHER. | Mr. W. N. CLARKSON.

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John Waddington, Esq.
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Rev. W. Turner .....*Manchester.*
George Watson, Esq ..... *Leeds.*
W. J. West, Esq ..... *Tunbridge.*
Mr. Thomas Wellbank ..... *London.*
Mr. James Wilcox ..... *Hovingham.*
Mr. J. Williamson .....*Scarborough.*
Thomas W. Williamson, Esq ..... *Beverley.*

DONATIONS.

Rev. J. B. Brodrick, A.M.—His Lecture on "Home Duties."

Mr. J. Chapman, *Lapidary*.—Astacus gammarus, and A. Norvegicus, in a glass case; and 8 rare Lias Fossils from near Whitby.

John Leckenby, Esq., *Scarbro'*.—A fine specimen of Lepidosteus oxyurus, from the river Oio, North America; 64 rare British Shells, *(25 species)*; 4 Lias Fossils; and 2 Bath Oolite near Scarbro'.

Mr. Ruddock.—An interesting specimen of Coralline Oolite, from Pickering.

Mr. M. Simpson.—1 Ammonite, 4 Belemnites, and Lingula Beanii from the Inferior Oolite, Bluewick; and a specimen of Inferior Oolite from Raithwaite.

Received in part of Dr. Scoresby's Bequest.

ARCTIC RELICS.

Head of the Walrus; 2 Heads of Greenland Bear; 4 long Tusks of the Narwhal; 7 short, ditto; many detached Teeth of Walrus and Bear; Ear and Bones of Whale; 2 White Rabbits, in glass cases; 20 Birds in 18 glass cases; a Collection of Plants from the E. coast of Greenland, collected by Dr. Scoresby in 1822; a Collection of Spitzbergen Mosses; a Collection of Minerals and Rock specimens.

Two Ornithorynchus paradoxus, in a glass case.

APPARATUS.

Two large compound Bar Magnets; a 12 plate 2 feet Magnet, or needle, with keepers, in a mahogany case; a 3 feet double bar Magnet, with keepers, in a mahogany case; 2 two feet Bar Magnets; large horse shoe Magnet of 9 bars; small 5 bar horse shoe Magnet; a 15 bar horse shoe Magnet; two 5 bar horse shoe Magnets; two Compound Brush Magnets, with very numerous plates; Dipping Needle, Variation Compass, and other Magnetic and Electro-magnetic apparatus.

The Family of the late Richard Ripley, Esq.—A series of large Mexican Medals; several Tradesmens' Tokens issued at Whitby, Pickering, Guisborough, and the surrounding towns; antique Key and Brooch found at Whitby; and a quantity of interesting Fossils.

BUILDING FUND ACCOUNT.

THE TREASURER IN ACCOUNT WITH THE LITERARY AND PHILOSOPHICAL SOCIETY.

OCTOBER 31ST, 1856.

DR.

	£.	s.	d.
To Balance	495	15	6
— Fixtures sold	9	17	0
— Interest on Bank Account	6	3	7
— Subscriptions:—T. H. Trueman, 10*s.*			
Walker & Hunter, 5*l.* 5*s.* ...			
...	5	15	0
	£517	11	1

CR.

	£.	s.	d.	£.	s.	d.
By W. Wilkinson's Bill				24	0	0
— G. Vasey's ditto				15	12	0
— Readman's ditto				32	0	0
— Brown's ditto				2	16	0
— Corner's ditto				2	0	0
— Nicholson's ditto				2	14	0
— Trueman's ditto				5	4	0
— Stonehouse's ditto...				3	0	0
— Glaholm's ditto				99	15	0
— Vasey's ditto				7	19	0
— Law Bill for Conveyancing				18	15	11
— Taylerson's ditto				24	0	0
— Property Tax				1	15	6
— Balance of Purchase Money ...	250	0	0			
— Interest on ditto	34	0	6			
	284	6	0			
— Less Rent	11	16	3			
				272	4	3
— Balance				5	15	5
				£517	11	1

Current Account.

THE TREASURER IN ACCOUNT WITH THE LITERARY AND PHILOSOPHICAL SOCIETY.

OCTOBER 31*st*, 1857.

DR.	£.	s.	d.
To Balance	20	15	2
— One year's rent of Baths	25	0	0
— Half year's rent of Library	11	5	0
— Member's Subscription	23	2	0
— Annual ditto	3	12	0
— Admissions to Museum	8	0	0
	£91	14	2

CR.	£.	s.	d.
By carriage of Dr. Scoresby's Articles	9	0	3
— Property Tax	1	18	0
— Half year's interest on 700*l.* mortgage	17	10	0
— Reed, Printing	1	1	0
— Newton	4	2	0
— Incidentals	1	16	5
— Collector's Commission	1	1	0
— Balance	55	5	6
	£91	14	2

Examined, 31*st October*, 1857.

J. B. BRODRICK.

WHITBY: SILVESTER REED, PRINTER, OLD MARKET PLACE.

BRIT. MUS. NAT. HIST. 18 JUN 29

BRIT. MUS.
15 JUN 29
NAT. HIST.

36

THE THIRTY-SIXTH REPORT

OF THE

WHITBY

LITERARY & PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, 29th October, 1858,

WITH THE

Laws and Regulations of the Society,

AND A LIST OF THE OFFICERS AND MEMBERS.

INSCRIPTION TAKEN FROM THE NORTH TRANSEPT OF WHITBY ABBEY.

WHITBY:
HORNE & SON, PRINTERS AND STATIONERS, BRIDGE STREET.

1858.

BRITISH MUSEUM
NATURAL HISTORY

Form of a Bequest to the Society.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other property, is requested to make use of the following form:—

"I give and bequeath to the Trustees, for the time being, of the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY *the Sum of*

to be paid out of such part of my personal estate, as I may legally charge therewith (or here enumerate the effects or property intended to be bequeathed.) And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

THIRTY-SIXTH ANNUAL REPORT.

The Council of the Whitby Literary and Philosophical Society in presenting, as customary, their Annual Report, beg to observe that it is more than usually brief on the present occasion, in consequence of so few incidents having occurred of a nature to demand particular remark.

Your Society has to regret the decease of your late Vice-President, Mr. John Chapman, since the last Annual Meeting; a gentleman whose able and valuable services were at all times devoted to the interests of your Society, and though no longer resident in Whitby, he never failed to entertain a deep concern for its welfare till his removal by death.

Your Council have the gratification to announce that there is a decided augmentation in the amount of money received for admission during the past year, the sum arising from this source being no less than £15, proving that an increased number of strangers

have availed themselves, during the present summer, of the opportunity of visiting your Museum.

In consequence of Mrs. Hill having resigned the tenancy of the Bath department, the Council, after accurately weighing the claims of the several candidates, have finally decided upon selecting Mr. Smith as the future tenant, and your Council entertain no doubt but that their choice will meet with general approval.

Your Council beg to return their best thanks to those Ladies and Gentlemen who have kindly added to the interesting curiosities in the Museum by their various donations during the past year.

A short abstract of these articles will be found appended to the present Report, arranged by Mr. Martin Simpson, whose scientific acquirements and valuable services have always been exerted in aiding in every way the well-being of your Society.

The Council, in adverting to the little which has been done in the way of Lectures since the last Annual Meeting, must not omit to mention the able and interesting paper on "The Iron Ore of this District," which was read by Dr. Merryweather at the Council Meeting of the 1st of July last.

In connection with this subject it may be observed, that application has been made for the use of the room occupied by the Whitby Library, for the purpose of Lectures, but without success.

The Council have the pleasure of intimating that Mr. Edwin Cockburn, a native of this town, and an artist of considerable talent, has kindly proposed to present the Society with a portrait of Dr. Young, who may be regarded in a great measure as its founder, and whose learned and interesting "History of Whitby" must ever be deeply appreciated by its inhabitants, and which has entitled its talented author to a high rank among local historians.

The Statement of Accounts attached will show the Society's position in a financial aspect, which it is trusted will be found satisfactory.

Your Council conclude their Report by expressing the hope, that your Society is making sure, if not rapid, progress, and that every succeeding year will promote its interest and advancement.

LAWS AND REGULATIONS.

1. The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half-a-Guinea* annually, shall be members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual subscription, shall be Governors of this Society.

3. The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who with a Committee of eight Members, shall form the Council of the Society.

4. The Council shall meet for transacting business on the first Thursday of every month, or as often as they shall find necessary; and three Members shall form a quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous articles, whether of Nature or Art; to which may be added Scientific Books and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week and under such regulations as the Council shall appoint. The families of Members *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted except Benefactors and Honorary Members. Strangers who have their residences above ten miles from Whitby, may be introduced by any member, or may be admitted on such terms as the Council shall fix. On special occasions, the Curators or the Secretaries may admit Members or strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the institution, additional subscribers, paying *Twelve Shillings* yearly, in advance. Such subscribers shall be admitted by ballot, a majority of at least three fourths of the members present being required for their admission; and they shall have no share in the property of the society, have no vote at its meetings, and shall hold no office in it; but they shall have the privilege of introducing strangers to the Museum, or persons belonging to their own families.

10. Gentlemen who have rendered important service to the society, may be elected Honorary Members, without paying any subscriptions; but such Honorary Members shall have no share in the property of the society, or in the management of its concerns.

11. The Museum shall be open to the public one day in each month, under such restrictions as the Council shall deem necessary.

12. The proportion which each Member has in the property of the Society shall be according to the whole amount paid for his share; and should the Institution be dissolved, the property shall be divided accordingly. But in the event of such a dissolution, all donations shall be returned, if required, to the donors, or their representatives; and all members who have sold property to the society at a reduced price, shall have the option of re-purchasing it at the same price.

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(2.) Children under 14 years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

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Patron.

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President.

ROBERT STEPHENSON, Esq., M.P.

Vice-Presidents.

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CHRISTOPHER RICHARDSON, Esq., (St. Hilda's.)

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Mr. J. STEVENSON.
Rev. W. KEANE, M.A.
Mr. HENRY KNAGGS.
Mr. W. STONEHOUSE.
Mr. J. TAYLERSON.
Dr. WILSON.

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THE RIGHT HON. LORD FEVERSHAM.

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E. W. CHAPMAN, Esq.
W. R. CHAPMAN, Esq.
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C. RICHARDSON, Esq., St. Hilda's
Mr. M. SIMPSON.
H. W. YEOMAN, Esq.

Secretaries.

E. W. CHAPMAN, Esq. | Mr. F. K. ROBINSON.

Curators.

Dr. MERRYWEATHER. | Mr. W. N. CLARKSON.

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Rev. Henry Acheson, B.A., F.C.P.S. .....*London.*
Mr. S. Anderson, F.L.S.....*Whitby.*
Rev. R. J. Barlow .....*Hutton Rugby.*
William Bean, Esq. .....*Scarborough.*
Charles Belcher, Esq. .....*Warwick.*
Thomas Clark, Esq.....*Liverpool.*
Edwin Cockburn, Esq. .....*London.*
W. H. Dikes, F.L.S.....*Wakefield.*
Dr. W. H. Foster, (Surgeon,) R.N. .....*Woolwich.*
William Fryer, Esq. .....*Newcastle.*
Rev. J. Gleaves, B.A. .....*Rothwell, Northamptonshire.*
Rev. W. V. Harcourt, F.R.S., F.G.S. .....*York.*
W. Hutton, Esq.....*Newcastle.*
Robert Knox, Esq., M.D., F.R.S.E., &c.....*Edinburgh.*
J. Leckenby, Esq.....*Scarborough.*
John Edward Lee, Esq. .....*Hull.*
John Mewburn, Esq., M.D.....*Stamford, Upper Canada.*
Major Constantine Moorsom .....*Birmingham.*
Sir Roderick I. Murchison, F.R.S., F.G.S., &c. .....*London.*
John Phillips, Esq., F.G.S., &c. .....*Oxford.*
Mr. W. Robertson .....*Newcastle.*
Mr. J. W. Robinson .....*London.*
Rev. J. Rutherford.....*Channelkirk.*
Mr. Andrew Sanders .....*Paramatta, N.S.W.*
W. D. Saul, Esq., F.G.S., &c.....*London.*

Rev. A. Sedgwick, D.D., F.R.S., F.G.S., &c.....*Cambridge.*
Wakefield Simpson, Esq.....*New South Wales.*
Rev. W. Stobbs .....*Stromness.*
Arthur Strickland, Esq.....*Bridlington Quay.*
Mr. William Trueman .....*Durham.*
Rev. W. Turner .....*Manchester.*
George Watson, Esq.....*Leeds.*
W. J. West, Esq. .....*Tunbridge.*
Mr. Thomas Wellbank .....*London.*
Mr. James Wilcox .....*Hovinghom.*
Mr. J. Williamson.....*Scarborough.*
Thomas W. Williamson, Esq .....*Beverley.*

DONATIONS.

J. C. Bewick, Esq.—His Paper on the "Rosedale Ironstone."

Mrs. G. Clark.—Anatomical preparations of Plants, shewing the vascular tissue.

Royal Society of Edinburgh.—Their proceedings for 1857-8.

Mr. H. Knaggs.—A Three Shillings Bank Token of George III.

Mr. W. Turnbull.—Half Crown of George II.; silver Twopence of William IV.; Whitby Halfpenny of H. Lothrington.

Mr. Waddington.—A large specimen of the Avicula band of Ironstone, with 13 vertebræ of Ichthyosaurus from Eskdale.

A. Wood, Esq., Kirbymoorside.—12 specimens of the Rosedale Ironstone; 4 lias specimens.

THE

Treasurer in account with the Whitby Literary & Philosophical Society.

DR.

1857.		£	s.	d.
Nov.	To Balance	55	5	6
Dec. 3.	— Subscriptions	24	18	0
„	— Ditto	3	16	6
Nov. 23	— Half-year's Rent of Baths ..	12	10	0
„	— Ditto Library	11	5	0
1858.				
May 13.	— Ditto Baths	15	0	0
Oct.	— Ditto Library	11	5	0
	— Admissions	15	0	0
		£149	0	0

CR.

1857.					£	s.	d.
Nov. 23.	By Mrs. Hill				2	12	4
Dec. 3.	— Half-years Int. on £700	17	10	0			
„	— Less P. Tax	1	0	5			
					16	9	7
Dec. 5.	— Varley's Commission				1	2	0
1858.							
Mar. 4.	— Mr. Simpson				10	0	0
May	— Sundries dispensed by Mr. F. K. Robinson, in payment of small bills as per account book				8	13	6
June 11.	— Mrs. Hill				2	10	0
„ 23.	— Gas Fittings				1	12	7
„ 25.	— Steward half-year's Interest ..				17	10	0
Oct.	— Balance				88	10	0
					£149	0	0

Examined, October 29th, 1858, J. B. BRODERICK.

BRIT. MUS.
15 JUN 29
NAT. HIST.

HORNE AND SON, PRINTERS, WHITBY.

BRIT. MUS.
15 JUN 29
NAT. HIST.

37

BRITISH MUSEUM
NATURAL HISTORY

THE THIRTY-SEVENTH REPORT

OF THE

WHITBY

LITERARY & PHILOSOPHICAL SOCIETY,

Presented at the Annual Meeting, 28th October, 1859,

WITH THE

Laws and Regulations of the Society,

AND A LIST OF THE OFFICERS AND MEMBERS.

WHITBY:
WILLIAM NEWTON, PRINTER AND STATIONER, BAXTERGATE.

1859.

BRITISH MUSEUM
NATURAL HISTORY

Form of a Bequest to the Society.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other property, is requested to make use of the following form :—

"I give and bequeath to the Trustees, for the time being, of the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY *the Sum of*
to be paid out of such part of my personal estate, as I may legally charge therewith (here enumerate the effects or property intended to bequeathed.) And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

THIRTY-SEVENTH ANNUAL REPORT.

The termination of the official year having arrived, it again becomes the duty of the Council to lay before the Society a brief summary of its proceedings during the past twelve months.

Your Council has to commence its Report by recording the severe loss, which they, in common with the nation at large, have sustained by the death of their late President, R. Stephenson, Esq., whose connection with them they have always considered a very high honor, his best efforts being ever exerted as regards both his purse and his talents for the Society's welfare; and they feel that a great responsibility attaches itself to the Society in the election of his successor.

They also have to regret the decease of a member of the Council, Mr. G. Vasey, Jun., whose valuable assistance was cheerfully rendered at its deliberations, and whose practical experience was frequently most useful.

The sum received for admission from visitors amounts to rather more than £10, which though unequal to that contributed during the previous twelve months, still affords satisfactory proof that the Museum has lost none of its attractions, and there is little doubt that continually an increase of revenue from this source may reasonably be expected.

Your Council desire to return their sincere thanks to those ladies and gentlemen, whose valuable and interesting donations have enriched the stores of the Museum during the year just elapsed.

An abstract of these articles is added to the Report, compiled by Mr. Martin Simpson, a gentleman whose valuable scientific services the Council gladly avail themselves of this opportunity of acknowledging. Amongst these contributions we may perhaps be permitted to allude to the admirable portrait of Dr. Young, one of the founders of this Society, executed and presented to it by that talented artist, your fellow townsman, Mr. Cockburn.

An elegant cabinet of superior workmanship, from Mr. Agar's manufactory, in accordance with Dr.

SCORESBY's bequest, has been placed in the Museum, for the purpose of containing the valuable magnetic apparatus, arctic relics, and other curiosities, bequeated by the late DR. SCORESBY, bearing the following inscription—"This case and its contents, with a legacy of £250, was bequeathed by will to the *Whitby Literary and Philosophical Society*, by WILLIAM SCORESBY, D.D., F.R.S., L. and E., corresponding member of the *National Institute of France.*"

A statement of the Society's pecuniary position will be found appended to the present Report; and in connection with this subject, we may observe that DR. SCORESBY's bequest of £250, less legacy duty, has been received, and in conjunction with other funds of the Society has been expended in liquidating the mortgage of £700 due to the executors of the late MR. STEWARD, and a fresh mortgage of £400, has been taken by EDWARD HENRY CHAPMAN, ESQ., to which sum the liability on the Museum Building is now reduced.

In conclusion, your Council venture to express the hope that your Society is more firmly established than ever on a satisfactory basis, and that it is annually progressing in importance and usefulness.

LAWS AND REGULATIONS.

1. The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

2. All Subscribers of *Two Guineas*, or upwards, on admission, and *Half-a-Guinea* annually, shall be members of the Society ; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual subscription, shall be Governors of this Society.

3. The business of this Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who with a Committee of eight Members, shall form the Council of the Society.

4. The Council shall meet for transacting business on the first Thursday of every month, or as often as they shall find necessary; and three Members shall form a quorum.

5. All Governors shall have a right to attend and vote at the Meetings of the Council.

6. A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meeting may be called by the Council, or by any seven Members, a week's notice being giving.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous articles, whether of Nature or Art; to which may be added Scientific Books and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week and under such regulations as the Council shall appoint. The families of Members *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted except Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be introduced by any member, or may be admitted on such terms as the Council shall fix. On special occasions, the Curators or the Secretaries may admit Members or strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the institution, additional subscribers, paying *Twelve Shillings* yearly, in advance. Such subscribers shall be admitted by ballot, a majority of at least three fourths of the members present being required for their admission; and they shall have no share in the property of the society, have no vote at its meetings, and shall hold no office in it; but they shall have the privilege of introducing strangers to the Museum, or persons belonging to their own families.

10. Gentlemen who have rendered important service to the society; may be elected Honorary Members, without paying any subscriptions; but such Honorary Members shall have no share in the property of the society, or in the management of its concerns.

11. The Museum shall be open to the public one day in each month, under such restrictions as the Council shall deem necessary.

12. The proportion which each Member has in the property of the Society shall be according to the whole amount paid for his share; and should the Institution be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations shall be returned, if required, to the donors, or their representatives; and all members who have sold property to the society at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but tho Society shall decide, by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representatives or assignee of a Life-governor shall not be exempted from the Annual Subscription of *Half-a-Guinea*, without paying a sum of *Five Gnineas* in lieu of such subscription.

14. The Annual Subscription shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any member neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage to the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means having been used by the Council without effect for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society, held for that purpose.

17. Each Member on his admission shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he shall continue a Member of it.

18. These laws may be amended and enlarged at any General or Special Meeting of the Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the Meeting.

Rules for Admission to the Museum.

ADOPTED BY THE COUNCIL AND CONFIRMED BY THE GENERAL MEETING.

1. The Museum shall be open from half-past Ten to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day (except Sunday) by applying at the Baths.

2. Any Member or Subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not Honorary Members or benefactors, and not belonging to the household of a Member or Subscriber, shall pay *One Shilling* each for admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

3. Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The name and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book, kept for that purpose in the Museum.

5. No person admitted to the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or anything likely to occasion damage.

7. The Museum shall be open to the public on the first Monday in each month, from 11 to 1, under the following restrictions:—

(1.) The admission shall be by ticket, given by any Member or Subscriber.

(2.) Children under 14 years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes, and to conduct themselves properly, according to the foregoing Rules.

OFFICERS FOR THE YEAR 1858-9.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

Vice-Presidents.

CHR. RICHARDSON, Esq. | REV. J. B. BRODRICK, M.A.

Treasurer.

CHRISTOPHER RICHARDSON, Esq., (St. Hilda's.)

Committee.

J. BLANCHARD, Esq.
E. P. MEAD, M.D.
Mr. J. STEVENSON.
Rev. W. KEANE, M.A.
Mr. HENRY KNAGGS.
Mr. W. STONEHOUSE.
J. DOWSON, Esq., M.D.
Dr. WILSON.

Governors by Subscription.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HON. THE EARL OF MULGRAVE.
THE RIGHT HON. LORD FEVERSHAM.

H. BARRICK, Esq., (West side)
J. B. CHAPMAN, Esq.
E. H. CHAPMAN, Esq.
T. CHAPMAN, Esq., F.R.S.
E. W. CHAPMAN, Esq.
W. R. CHAPMAN, Esq.
Mr. RICHARD CRAVEN.
C. RICHARDSON, Esq., St. Hilda's
Mr. M. SIMPSON.
H. W. YEOMAN, Esq.

Secretaries.

E. W. CHAPMAN, Esq. | Mr. F. K. ROBINSON.

Curators.

Dr. MERRYWEATHER. | Mr. W. N. CLARKSON.

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HON. THE EARL OF MULGRAVE.
THE RIGHT HON. LOLD FEVERSHAM.

Anthony Atkinson, Esq.
Mr. Joseph Anderson.
H. Barrick, Esq., (West Side)
Thomas W. Belcher, Esq.
J. C. Bewick, Esq.
John Blanchard, Esq.
Rev. J. B. Brodrick, M.A.
T. Chapman, Esq.,F.R.S.,F.S.A
Edward Henry Chapman, Esq.
Edward W. Chapman, Esq.
Joseph B. Chapman, Esq.
W. R. Chapman, Esq.
William N. Clarkson, Esq.
Mr. John Corner.
Mr. Richard Craven.
Mr. W. Dotchon.
J. Dowson, Esq., M.D.
Mr. Isaac Greenbury.
Mr. Ralph Horne.
Rev. J. Hughes, M.A.
Mrs. Hunton.
Joseph Hunter, Esq.
Rev. W. Keane, M.A.,M.R.A.S.
Rev. George Kearsley.
Mr. Robert Kirby,
Mr. Henry Knaggs.
E. Preston Mead, Esq., M.D,
G. Merryweather, Esq., M.D.
Mr. William Morley.
Mr. William Nicholson.
Mr. William Newton.
George Pierson, Esq.
C. Richardson, Esq.,
C. Richardson, Esq., (St. Hilda's)
Thomas Richardson, Esq.,
Mr. Silvester Reed.
Mr. F. K. Robinson.
E. Sherwood, Esq., M.D.
Mr. Martin Simpson.
Mr. M. L. Simpson.
Gideon Smales, Esq.
Mr. John Stevenson.
Trustees of Sneaton Estate.
Mr. William Stonehouse,
John Taylerson, Esq.
Mr. Thomas Hill Trueman.
Mr. Thomas Turnbull.
W. Usherwood, Jun., Esq.
Mr. George Vasey.
Thomas Watson, Esq.
John Wilson, Esq., M.D.
H. W. Yeoman, Esq.
John Yeoman, Esq., M.D.

ANNUAL SUBSCRIBERS.

Joseph Barker, Esq.
Robert Breckon, Esq.
John Buchannan, Esq.,
John Waddington, Esq.
James Walker, Esq.,

HONORARY MEMBERS.

Professor Louis Agassiz, M.D. .....*Neufchatel.*
Rev. Henry Acheson, B.A., F.C.P.S. .....*London.*
Mr. S. Anderson, F.L.S..... .....*Whitby.*
Rev. R. J. Barlow.....*Hutton Rugby.*
William Bean, Esq. .....*Scarborough.*
Charles Belcher, Esq. .....*Warwick.*
Thomas Clark, Esq. .....*Liverpool.*
Edwin Cockburn, Esq.....*London.*
W. H. Dikes, F.L.S. .....*Wakefield.*
Dr. W. H. Foster, (Surgeon,) R.N.....*Woolwich.*
William Fryer, Esq. .....*Newcastle.*
Rev. J. Gleaves, B.A. .....*Rothwell, Northamptonshire.*
Rev. W. V. Harcourt, F.R.S., F.G.S.....*York.*
W. Hutton, Esq.....*Newcastle.*
Robert Knox, Esq., M.D., F.R.S.F., &c .....*Edinburgh.*
J. Leckenby, Esq.....*Scarborough.*
John Edward Lee, Esq.....*Hull.*
John Mewburn, Esq., M.D. .....*Stamford Upper Canada.*
Major Constantine Moorsom.....*Birmingham.*
Sir Roderick I. Murchison, F.R.S., F.G.S., &c.....*London.*
John Phillips, Esq., F.G.S. &c.....*Oxford.*
Mr. W. Robertson .....*Newcastle.*
Mr. J. W. Robinson ....*London.*
Rev. J. Rutherford .....*Channelkirk.*
Mr. Andrew Sanders.....*Paramatta, N.S.W.*
W. D. Saul, Esq., F.G.S., &c.....*London.*

Rev. A. Sedgwick, D.D., F.R.S., &c.....*Cambridge.*
Wakefield Simpson, Esq.....*New South Wales.*
Rev. W. Stobbs.....*Stromness.*
Arthur Strickland, Esq.....*Bridlington Quay.*
Mr. William Trueman.....*Durham.*
Rev. W. Turner .....*Manchester.*
George Watson, Esq .....*Leeds.*
W. J. West, Esq .....*Tunbridge.*
Mr. Thomas Wellbank .....*London.*
Mr. James Wilcox .....*Hovingham.*
Mr. J. Williamson .....*Scarborough.*
Thomas W. Williamson, Esq .....*Beverley.*

DONATIONS.

Geo. Armstrong, Esq.—A very fine crystal of Alum, from the Sandsend Alum-works.

Thos. Chapman, Esq., F. R. S.—A Spanish Dollar, recovered by Divers in 1858 from the wreck of H. M. S. Lutine, sunk off the Texel in 1798, after having been 59 years under water.

Mrs. G. Clark.—Specimens in Natural History, Egg of Skate, Eggs of Pupuria lopillus, Eggs of the Whilk, Polysiphonia Brodiœi, Leathesia tuberiformis.

Mr. W. N. Clarkson.—3 Silver Coins, Groat of Queen Mary, coin of Wm. Rufus, Shilling of Elizabeth.

Mr. Flintoft.—Plan of Whitby Breakwater, 2 copies.

G. Hammond, Esq., Raven Hall.—A Viper in spirit, from Peak.

Rev. W. Keane, M.A.—Stalkarth's Naval Architecture, Folio.

J. Wilson, Esq., M.D.—Head of a Dolphin, from the Cape of Good Hope.

BRIT. MUS.
15 JUN 29
NAT. HIST.

THE

Treasurer in account with the Whitby Literary & Philosophical Society.

DR.

1858.		£.	s.	d.
Oct.	To Balance of last account	88	10	0
„	— Ditto of Building account ...	1	15	9
Nov.	— Subscriptions	26	11	0
Dec. 7.	— Property Tax on Mr. Steward's Int.	1	0	5
„ 30.	— Hill Rent of Baths	9	10	0
1856				
May 21.	— Bath Rent per Smith, Half-year ...	15	0	0
„	— Library Rent One Year	22	10	0
„	— Admissions	10	0	0
Sept.	— Legacy from late Dr. Scoresby £250 less duty	225	0	0
„	— Borrowed from E. H. Chapman, Esq. on Mortgage	400	0	0
		£799	17	2

DR.

1858.			£.	s.	d.
Dec. 7.	By Half-years Int. on Mortgage ...		17	10	0
1859.					
Jan. 12.	— Varley's Commission		1	2	0
„	— Varley's bill ...	£8 9 0			
„	— Stonehouse's bill...	5 14 0			
„	— Reed's bill ...	2 19 6			
			17	2	6
„ 18.	— Ins. per Mrs. Woodhouse	£2 0 0			
„	— ditto Mr. Miller } Building	1 2 6			
„	— ditto Mr. Horne } Building	1 2 6			
			4	5	0
May	— Half-year's Int. on £700 Mortgages		17	10	0
„	— Sundries small payments per Mr. F. K. Robinson	£7 9 5			
Oct.	— ditto ditto	2 5 0			
			9	14	5
„	— Horne Printing Reports		2	5	0
Sept.	— Late Mr Steward, Mor. £700	0 0			
„	— Ditto Int. on do. less P. Tax	10 17 0			
			710	17	0
Oct.	— Balance		19	11	3
			799	17	3

Examined, October 20th, 1859, J. B. BRODRICK, Chairman.

BRIT. MUS.
15 JUN 29
NAT. HIST.

WILLIAM NEWTON, PRINTER, WHITBY.

BRIT. MUS.
16 JUN 29
NAT. HIST.

3 8

THE THIRTY-EIGHTH REPORT

OF THE

WHITBY

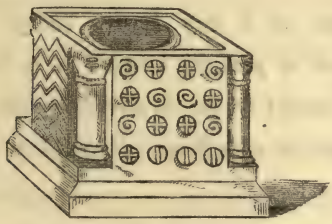
LITERARY & PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, 26th OCTOBER, 1860;

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

AND A LIST OF THE OFFICERS AND MEMBERS.



Norman Font, Sneaton Church.

WHITBY:
SILVESTER REED, PRINTER, AND BOOKSELLER,
OLD MARKET PLACE.
1860.

BRITISH MUSEUM
NATURAL HISTORY

Form of a Bequest to the Society.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other property, is requested to make use of the following form :—

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to be paid out of such part of my personal estate, as I may legally charge therewith (here enumerate the effects or property intended to be bequeathed.) And I direct that the receipt of the Treasurer of the said Society for the time being, shall be an effectual discharge to my Executors for the said legacy."

THIRTY-EIGHTH ANNUAL REPORT.

THE official year having terminated, the duty once more devolves upon the Council of placing before the Society a short account of its proceedings during the twelvemonth just elapsed.

The amount received during that period from the admission of visitors is upwards of 10*l.*, being slightly in excess of the sum derived from this source during the previous year; a convincing proof that your Museum offers considerable interest to strangers, and that no decrease of revenue from this source need be apprehended.

Your Council desire to return their best thanks to those ladies and gentlemen through whose kindness various important and interesting donations have been

added to the stores of the Museum during the past twelve months. A statement of these articles is appended to the present Report, compiled by Mr. MARTIN SIMPSON, to whose valuable scientific services the Council again beg to acknowledge themselves deeply indebted.

Your Council have great pleasure in stating that the following Lectures have been read during the winter months by members of the society, viz. :—

On Monday, 5th December, 1859.—A Paper "On Thunder and Lightning," by Mr. MARTIN SIMPSON.

On Friday, 13th January, 1860.—The Rev. W. KEANE, A.M., delivered a Lecture "On the Affinity of the Hindoo-Germanic Languages to each other."

On 21st February.—An interesting Paper was read by Dr. DOWSON, "On the Health of Whitby."

On 6th March.—A Lecture was given by Mr. E. W. CHAPMAN, "On the Science of Meteorology and the Barometer."

And also one on the 3rd April, by the Rev. J. B. BRODRICK, A.M., "On Mormonism."

Your Council desire to convey to these gentlemen the expression of their thanks for the interesting Lec-

tures with which they have favoured your society, and they trust that papers of a similar nature may be read during the ensuing winter, as an agreeable source both of instruction and entertainment.

Appended to the present Report is a statement of the society's pecuniary position, which, it is to be hoped, will be found satisfactory.

In conclusion, your Council believe that the Museum has lost none of its attraction, and that your society is annually advancing in importance and usefulness.

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1. The Society shall be called the Whitby Literary and Philosophical Society, for supporting a Museum, and for promoting the interests of Science by such other means as it may be able to undertake.

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6. A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business that may occur. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7. The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous articles, whether of Nature or Art; to which may be added Scientific Books and Philosophical Apparatus.

8. The Museum shall be open for the convenience of the Members, on such days of the week and under such regulations as the Council

shall appoint. The families of Members *residing under their roof*, shall have the privilege of visiting the Museum. No other inhabitants of Whitby shall be gratuitously admitted except Benefactors and Honorary Members. Strangers who have their residence above ten miles from Whitby, may be introduced by any member, or may be admiteed on such terms as the Council shall fix. On special occasions, the Curators or the Secretaries may admit Members or strangers to the Museum on those days when it is usually shut.

*** This Regulation is modified by the 11th.

9. After the Society has existed one year, all new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the institution, additional subscribers, paying *Twelve Shillings* yearly in advance. Such subscribers shall be admitted by ballot, a majority of at least three fourths of the members present being required for their admission; and they shall have no share in the property of the society, have no vote at its meetings, and shall hold no office in it; but they shall have the privilege of introducing strangers to the Museum, or persons belonging to their own families.

10. Gentlemen who have rendered important service to the society may be elected Honorary Members, without paying any subscriptions; but such Honorary Members shall have no share in the property of the society, or in the management of its concerns.

11. The Museum shall be open to the public one day in each month, under such restrictions as the Council shall deem necessary.

12. The proportion which each Member has in the property of the Society shall be according to the whole amount paid for his share; and should the Institution be dissolved, the property shall be divided accordingly. But in the event of such dissolution, all donations shall be returned, if required, to the donors, or their representatives; and all members who have sold property to the society at a reduced price, shall have the option of re-purchasing it at the same price.

13. Each Member of the Society shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide by ballot, whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representatives or assignee of a Life-governor shall not be exempted from the Annual Subscription of *Half-a-*

Guinea, without paying a sum of *Five Guineas* in lieu of such subscription.

14. The Annual Subscription shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his subscription before the ensuing Annual Meeting, he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any member neglect paying his subscription for two years, he shall, after notice given him to that effect, be excluded from the Society, and shall forfeit all right and interest in the property of the Institution.

15. If any Member, or any one introduced by him, shall cause any loss or damage to the property of the Society, that Member shall make good to the Society, the loss or damage so sustained.

16. Any Member who is guilty of improper conduct towards the Society, and persists in any breach of its laws, may be expelled from the Society, after means have been used by the Council without effect for bringing him to order; but such expulsion shall not take place without giving a month's notice, at least, to the offending Member, and without the concurrence of three-fourths of the Members present at the Public Meeting of the Society, held for that purpose.

17. Each Member on his admission shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he shall continue a Member of it.

18. These laws may be amended and enlarged at any General or Special Meeting of the Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the meeting.

Rules for Admission to the Museum.

ADOPTED BY THE COUNCIL AND CONFIRMED BY THE GENERAL MEETING.

1. The Museum shall be open from half-past Ten to half-past Twelve o'clock, on Tuesday and Thursday in each week. Strangers paying for admission, may be admitted on any day (except Sunday) by applying at the Baths.

2. Any Member or Subscriber may introduce, personally, or by a written order, a friend or stranger residing above ten miles from Whitby. All strangers not so introduced, and all non-subscribers residing in Whitby, or within ten miles of it, not Honorary Members or benefactors, and not belonging to the household of a Member or Subscriber, shall pay *One Shilling* each for admission; children and servants shall be admitted at half-price. A reduction is also allowed to parties of more than two.

3. Under special circumstances, strangers may be admitted to the Museum at those times when it is usually shut, by personal introduction of one of the Council, or by an order from one of the Secretaries or Curators.

4. The name and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book kept for that purpose in the Museum.

5. No person admitted to the Museum shall be permitted to handle the specimens.

6. No person shall be allowed to take a stick or umbrella into the Museum, or anything likely to occasion damage.

7. The Museum shall be open to the public on the first Monday in each month, from 11 to 1, under the following restrictions :—

(1.) The admission shall be by ticket, given by any Member or Subscriber.

(2.) Children under 14 years shall not be admitted, unless under the care of an adult.

(3.) All who visit the Museum are expected to come in decent clothes and to conduct themselves properly according to the foregoing Rules.

OFFICERS FOR THE YEAR 1860-61.

PATRON.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

PRESIDENT.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

VICE-PRESIDENTS.

CHR. RICHARDSON, Esq. | REV. J. B. BRODRICK, A.M.

TREASURER.

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

COMMITTEE.

J. BLANCHARD, Esq.
E. P. MEAD, Esq., M.D.
Mr. J. STEVENSON.
Rev. W. KEANE, A.M.
Mr. HENRY KNAGGS.
Mr. W. STONEHOUSE.
J. DOWSON, Esq., M.D.
J. WILSON, Esq., M.D.

GOVERNORS BY SUBSCRIPTION.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HON. THE EARL OF MULGRAVE.
THE RIGHT HON. LORD FEVERSHAM.

H. BARRICK, Esq., (West Side).
J. B. CHAPMAN, Esq.
E. H. CHAPMAN, Esq.
T. CHAPMAN, Esq., F.R.S.
E. W. CHAPMAN, Esq.
W. R. CHAPMAN, Esq.
Mr. RICHARD CRAVEN.
CHRST. RICHARDSON, Esq., (St. Hilda's).
Mr. M. SIMPSON.
H. W. YEOMAN, Esq.

SECRETARIES.

J. TAYLERSON, Esq., M.D. | Mr. F. K. ROBINSON.

CURATORS.

G. MERRYWEATHER, Esq., M.D.
W. N. CLARKSON, Esq., M.D.

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HON. THE EARL OF MULGRAVE.
THE RIGHT HON. LORD FEVERSHAM.

Anthony Atkinson, Esq.
Mr. Francis Anderson.
H. Barrick, Esq., (West Side.)
Thomas W. Belcher, Esq.
Joseph Bewick, Esq.
John Blanchard, Esq.
Rev. J. B. Brodrick, A.M.
T. Chapman, Esq., F.R.S., F.S.A.
Edward Henry Chapman, Esq.
Edward W. Chapman, Esq.
Joseph B. Chapman, Esq.
W. R. Chapman, Esq.
William N. Clarkson, Esq., M.D.
Mr. John Corner.
Mr. Richard Craven.
Mr. W. Dotchon.
John Dowson, Esq., M.D.
Rev. Mr. Glover.
Mr. Ralph Horne.
Rev. William Hewson, A.M.
Rev. Joseph Hughes, A.M.
Mrs. Hunton.
Joseph Hunter, Esq.
Rev. W. Keane, A.M., M.R.A.S.
Mr. Henry Knaggs.
E. Preston Mead, Esq., M.D.
G. Merryweather, Esq., M.D.
Mr. J. B. Nicholson.
Mr. William Newton.
George Peirson, Esq.
C. Richardson, Esq.
C. Richardson, Esq., (St. Hilda's).
Thomas Richardson, Esq.
Mr. Silvester Reed.
John J. Rigg, Esq.
Mr. F. K. Robinson.
E. Sherwood, Esq., M.D.
Mr. Martin Simpson.
Mr. M. L. Simpson.
Gideon Smales, Esq.
Mr. John Stevenson.
Trustees of Sneaton Estate.
Mr. William Stonehouse.
John Taylerson, Esq., M.D.
Mr. Thomas H. Trueman.
Thomas Turnbull, Esq.
William Usherwood, Esq.
Mr. George Vasey.
Thomas Watson, Esq.
John Wilson, Esq., M.D.
H. W. Yeoman, Esq.
John Yeoman, Esq., M.D.

ANNUAL SUBSCRIBERS.

Joseph Barker, Esq.
John Buchannan, Esq.
John Waddington, Esq.
James Walker, Esq.

HONORARY MEMBERS.

Professor Louis Agassiz, M.D. ..... *Neufchatel.*
Rev. Henry Acheson, B.A., F.C.P.S. ..... *London.*
Mr. Samuel Anderson, F.L.S. ..... *Whitby.*
Rev. R. J. Barlow ..... *Hutton Rugby.*
William Bean, Esq. ..... *Scarborough.*
Thomas Clark, Esq. ..... *Liverpool.*
Edwin Cockburn, Esq. ..... *London.*
W. H. Dikes, Esq., F.L.S. ..... *Wakefield.*
Dr. W. H. Foster, (Surgeon), R.N. ..... *Woolwich.*
William Fryer, Esq. ..... *Newcastle.*
Rev. J. Gleaves, B.A. ..... *Rothwell, Northamptonshire.*
W. Hutton, Esq. ..... *Newcastle.*
R. E. Scoresby Jackson, Esq., M.D., F.R.C.S.E. ..... *Edinburgh.*
Robert Knox, Esq., M.D., F.R.S.E., &c. ..... *Edinburgh.*
J. Leckenby, Esq. ..... *Scarborough.*
John Edward Lee, Esq. ..... *Hull.*
John Mewburn, Esq., M.D. ..... *Stamford, Upper Canada.*
Major Constantine Moorsom ..... *Birmingham.*
Sir Roderick I. Murchison, F.R.S., F.G.S., &c. ..... *London.*
John Phillips, Esq., F.G.S., &c. ..... *Oxford.*
Mr. W. Robertson ..... *Newcastle.*
Mr. J. W. Robinson ..... *London.*
Rev. J. Rutherford ..... *Channelkirk.*

Mr. Andrew Sanders.....*Paramatta, N. S. W.*
Rev. A. Sedgwick, D.D., F.R.S., &c.....*Cambridge.*
Wakefield Simpson, Esq.....*New South Wales.*
Rev. W. Stobbs ..... *Stromness.*
Arthur Strickland, Esq. ..... *Bridlington Quay.*
Mr. William Trueman.....*Durham.*
Rev. W. Turner.....*Manchester.*
George Watson, Esq. ..... *Whitby.*
W. J. West, Esq. ..... *Tunbridge.*
Mr. Thomas Wellbank .....*London.*
Mr. J. Williamson ..... *Scarborough.*
Thomas W. Williamson, Esq. ..... *Beverley.*

DONATIONS.

J. BEWICK, Esq.—Part 4 of the North of England Mining Journal.

Mr. D. CHETTLEBURGH.—33 specimens of recent Shells; 11 Ammonites from the lias of Lyme-Regis; a Pholadomya from the Whitby lias; 3 Vertebræ of a Shark, and part of a Hippurite, from the Green Sand, Cambridgeshire.

Mrs. G. CLARK.—Eggs of Purpura lapillus on the shell of Venus Islandica; a fine specimen of Aphrodita aculeata, or Sea Mouse, in spirit.

Mr. R. CRAVEN.—Lever's Year-Book.

Dr. DOWSON.—Sympson's "Hydrologia Chemica."

ROYAL SOC. OF EDINBURGH.—Proceedings of, for 1858–9.

Miss HEWSON.—Copper Ore from Roughton Gill mine, Coal Beck Fells, Cumberland.

Rev. W. KEANE, A.M.—Book of Common Prayer, translated into Sanscrit.

Dr. MEAD.—Yellow Quartz, from Caingorum, Scotland; 4 specimens of Black Hematite, New Jersey; 2 specimens of Scapolite, Arindel; Melanite, Norway; fine stellated Wavellite, Bohemia; and a specimen of Flint from Aberdeen.

C. EYRE PARKER, Esq., Torquay.—3 specimens of Sea Plants.

C. RICHARDSON, Esq., Field House.—A List of Signals.

Mr. F. K. ROBINSON.—A rare Ammonite from the lias.

Mr. M. SIMPSON.—10 Ammonites, 3 Belemnites, and 12 Gasteropodous shells from the Yorkshire Oolite; 2 Ammonites, 8 Belemnites and Avicula cygnipes, from the Whitby Lias; 3 specimens of fossil wood, from the Lower Sandstone, Eskdaleside; Head of the Kestrel.

Mr. SWALES, Sleights.—A Butterfly; a Hawk Moth; and 3 Bees.

Mrs. M. THISTLE.—A coin of Constantine, found at Aislaby.

OMITTED IN THE LAST REPORT.

Rev. J. B. BRODRICK, A.M.—"Lays of the Sabbath."

THOMAS CHAPMAN, Esq.—Dr. Bigsby's paper on the Paleozoic Rocks of New York.

Rev. W. HEWSON, A.M.—His work on Prophecy.

Dr. WILSON.—An Indian Idol.

Mrs. SCORESBY.—Dr. Scoresby's Voyage to Australia.

THE TREASURER IN ACCOUNT WITH THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY.

DR.

		£.	s.	d.
1859				
October.	To Balance of last account	19	11	3
Nov. 23.	— Half year's Library rent	11	5	0
	— Ditto Bath Rent	17	10	0
Dec.	— Subscriptions	24	7	6
1860				
May 15.	— Half year's Library rent	11	5	0
„	— Ditto Bath rent	17	10	0
	— Visitor's account	10	0	0
		£111	8	9

CR.

					£.	s.	d.
1859							
Dec. 3.	By Wright, Blacksmith				1	15	0
„ 7.	— Varley, Commission for collecting				1	2	0
1860							
Jan. 7.	— Mr. M. Simpson, (Gratuity)				10	0	0
Feb. 4.	— Payments per Mr. F. K. Robinson:—						
	Insurance, Mrs. Woodhouse	£2	0	0			
Jan. 6.	— Insurance, Mr. Gray	1	2	6			
„ 13.	— Mr. Smith's allowance on receipts, &c	2	10	0			
„ 25.	— Insurance, Mr. Horne	1	2	6			
„	— Mr. Vasey's bill	1	15	5			
„	— Notices for Lectures twice	0	2	9			
					8	13	2
March	— E. H. Chapman, Esq.:—						
	Half year's interest	£10	0	0			
	Income Tax	0	4	2			
					9	15	10
Sept.	Ditto	£10	0	0			
	Income Tax	0	8	4			
					9	11	8
Sept. 10.	— Payments per Mr. F. K. Robinson:—						
	Mr. Nicholson's bill	£0	4	1½			
	Room, five Lectures	1	5	0			
	Income Tax	1	10	10½			
	Mason's bill	0	6	0			
	Mr. Smith for Books	1	0	0			
	Reed, Young's Whitby	1	1	0			
	Flintoft, Charlton's Whitby	1	1	0			
	Tithe Correspondence	0	0	10			
	Notices for Lectures	0	3	8			
					6	12	6
Oct.	— Balance				63	18	7
					£111	8	9

Examined, JOHN B. BRODRICK, Chairman.

BRIT. MUS. NAT. HIST. 15 JUN 29

BRIT. MUS.
15 JUN 29
NAT. HIST.

39

BRITISH MUSEUM
NATURAL HISTORY

THE THIRTY-NINTH REPORT

OF THE

WHITBY

LITERARY & PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, 25th OCTOBER, 1861;

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

AND A

LIST OF THE OFFICERS & MEMBERS.

WHITBY:
PRINTED BY HORNE & SON, BRIDGE STREET.
1862.

BRITISH MUSEUM NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other property, is requested to make use of the following form :—

" I give and bequeath to the Trustees, for the time being, of the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, *the Sum of*

to be paid out of such part of my personal estate, as I may legally charge therewith (here enumerate the effects or property intended to be bequeathed). And I direct that the receipt of the Treasurer of the said Society for the time being, shall be an effectual discharge to my Executors for the said legacy."

THIRTY-NINTH ANNUAL REPORT.

The operations of a small community like the Whitby Literary & Philosophical Society, with scanty means at their disposal, cannot be very extensive, nor of a kind likely to attract much public attention; but it is worthy of observation, that institutions having for their object the unostentatious pursuit of science often succeed best under a little obscurity.

If your Council has no great undertaking to report, they can congratulate the Society on the increasing stability and vigour of their Institution. Compared with its condition ten years ago, there is every reason for present satisfaction and future hope. A few books have been purchased, and the Council would have willingly expended more to improve the collection of Coast Fossils, had an opportunity occurred; but they thought it desirable to use a prudent economy, and by every means, and as soon as possible, to liquidate the debt on the Institution. Towards this object, there is already a balance of £113 6s. 8d. in favour of your Institution, so that with similar economy and

care, it may be expected the whole debt will be speedily extinguished and the Society be in a position to undertake important improvements. Your Council have voted £100 in reduction of the mortgage debt.

It is hoped that the prospect of permanence and stability will inspire such confidence as to make the Institution more an object of public patronage and support than it has hitherto been. As a token of this, the Council have great pleasure in referring to their list of donations, which is both numerous and valuable. They would particularise a large, beautiful, and entirely new collection of Marine Plants, from Mrs. G. Clark. From Thomas Chapman, Esq., F.R.S., the President of the Society, they have received a handsomely bound copy of the first edition of "Spencer's Fairy Queen," published in 1590; together with 17 volumes of the Archeologia. It will be recollected that the office of President having become vacant by the death of Mr. Robert Stephenson, Mr. Chapman, at the last annual meeting, was unanimously chosen his successor; and though residing in London, and consequently not able to attend many of the meetings, the Council have no reason to regret his appointment. His literary taste, business habits, and the great interest he takes in his native town, and in the welfare of this Society, eminently fit him for the office.

From Dr. Scoresby-Jackson, one of your honorary

members, the life of his uncle, Dr. Scoresby, F.R.S., &c., together with the remaining part of Dr. Scoresby's published works and MSS. have been received; and also from Mrs. Beecroft, and from her daughter Mrs. Morgan, a large collection of African curiosities and specimens in natural history.

Your Council have to record with much satisfaction, a resumption of those literary and scientific communications from members and friends of the Society, which after a long interruption, commenced last session. There have been five such during the past year, viz. :—

"On the Life and Works of Darwin, as Poet, Philosopher, and Physician," by Dr. Dowson.

"On Ancient Rome; illustrated by large photographs of the ruins, a plan of the city, and models of antiquities," by the Rev. W. Andrew, M.A., Tutor of Worcester College, Oxford.

"On the Geology of the Neighbourhood; illustrated by specimens and large coloured geological sections," by Mr. M. Simpson.

"On Photography; illustrated by numerous photographs and optical apparatus," by Mr. Stonehouse.

"On Social Abuses," by the Rev. J. B. Brodrick, M.A.

Your Council have much pleasure in stating, that they have made arrangements for securing Mr. Simpson's services as permanent Curator of the Museum.

The Museum still continues to be an object of interest to visitors, who on numerous occasions, have expressed their satisfaction in having such a place of instruction and amusement open to them, when they were most at liberty to enjoy it. The amount received from these admissions is £11. Many of the descriptive labels having become obliterated, Mr. M. Simpson has been much engaged in re-labelling, and has also been able to add several hundreds of names to the catalogue, chiefly of fossils of the oolitic series.

LAWS AND REGULATIONS.

1.—The Society shall be called the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a Museum, and for promoting the interests of Science by such other means as may be found practicable.

2.—All Subscribers of *One Guinea*, or upwards, on admission, and *Half-a-Guinea* annually, may be Members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual subscription, shall be Governors of this Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with a Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet on the first Thursday of every month, or as often as necessary—three Members forming a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business.—Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous articles, whether of Nature or Art; to which may be added Scientific Books and Philosophical Apparatus.

8.—The Museum shall be open for the inspection of Members, Subscribers, and their families, on such days of the week and under such regulations as the Council shall appoint. On special occasions, the Curators or the Secretaries may admit Members, Benefactors, or Strangers, on those days when it is usually shut.

9.—All new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that meeting shall appoint; but the Council may, at any of its meetings, admit to the benefits of the Institution, Subscribers paying *Twelve Shillings* yearly in advance. Such Subscribers shall have no share in the property of the Society, nor vote at its meetings, nor hold office in it; but they shall have the privilege of introducing strangers and members of their own family to the Museum, and of attending Lectures on the same terms as Members of the Society.

10.—Gentlemen who have rendered important services to the Society may be elected Honorary Members, but such Honorary Members, unless Subscribers, shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum may be open to the public under such restrictions as the Council shall deem necessary.

12.—Every Member shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide by ballot whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all arrears due upon it must be paid up; and the representative or assignee of a Life-governor shall continue to pay the Annual Subscription of *Half-a-Guinea*, or *Five Guineas* in lieu of such subscription.

13.—The Annual Subscriptions shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his subscription before the ensuing Annual Meeting he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up; and if any Member neglect paying his subscription for two years, he shall, after notice given him by the Secretary to that

effect, be excluded from the Society, and forfeit all right and interest in the property of the Institution.

14.—If any Member, or any one introduced by him, shall cause any loss or damage to the property of the Society, such Member shall make good the loss or damage so sustained.

15.—Any Member who is guilty of improper conduct towards the Society, or persists in any breach of its laws, may be expelled, after means have been used by the Council without effect for bringing him to order; but such expulsion shall not take place without giving him a month's notice, nor without the concurrence of three-fourths of the Members present at a meeting of the Society held for that purpose.

16.—Each Member on his admission shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he continues a Member.

17.—These laws may be amended or enlarged at any General or Special Meeting of the Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the meeting.

18.—Members can borrow and take away from the Museum, books belonging to the Society, by permission, and under regulations sanctioned by the Council.

RULES FOR ADMISSION TO THE MUSEUM.

ADOPTED BY THE COUNCIL AND CONFIRMED AT A GENERAL MEETING.

1.—The Museum shall be open every week-day by application at the Baths.

2.—Any Member or Subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All persons not so introduced, not being Honorary Members, Benefactors, or belonging to the household of Members or Subscribers, shall pay *Sixpence* each for admission ; children and servants shall be admitted at half-price.

3.—The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book kept for that purpose.

4.—No person shall be permitted to handle the specimens, or take a stick or umbrella into the Museum, or anything likely to occasion damage.

5.—The Museum shall be open to the public on the first Monday in each month, from 11 to 1, under the following restrictions :—

6.—The admission shall be by ticket, given by Members or Subscribers.

7.—Children under fourteen years shall not be admitted, unless under the care of an adult.

8.—All who thus visit the Museum are expected to conduct themselves in an orderly manner.

OFFICERS FOR THE YEAR 1861—62.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

Vice-Presidents.

CHR. RICHARDSON, Esq.
REV. J. B. BRODRICK, A.M.

Treasurer.

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

Committee.

CORNER, Mr. JOHN
DOWSON, Dr.
KEANE, Rev. W., A.M.
KNAGGS, Mr. HENRY
MEAD, Dr.
STEVENSON, Mr. J.
STONEHOUSE, Mr. W.
WILSON, Dr.

Governors by Subscription.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE THE EARL OF MULGRAVE.
THE RIGHT HON. LORD FEVERSHAM.

H. BARRICK, Esq.
J. BLANCHARD, Esq.
J. B. CHAPMAN, Esq.
E. H. CHAPMAN, Esq.
T. CHAPMAN, Esq.
E. W. CHAPMAN, Esq.
W. R. CHAPMAN, Esq.
Mr. RICHARD CRAVEN.
CHR. RICHARDSON, Esq., (St. Hilda's).
Mr. M. SIMPSON.
H. W. YEOMAN, Esq.

Secretaries.

TAYLERSON, Dr.
ROBINSON, Mr. F. K.

Curators.

W. N. CLARKSON, Esq.
Mr. M. SIMPSON.

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUESS OF NORMANBY.
THE RIGHT HON. THE EARL OF MULGRAVE.
THE RIGHT HON. LORD FEVERSHAM.

Anthony Atkinson, Esq.
Anthony Owst Atkinson, Esq., M.A.
Mr. Francis Anderson.
H. Barrick, Esq. (West Side).
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Joseph Bewick, Esq.
John Blanchard, Esq.
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Edward Henry Chapman, Esq.
Edward W. Chapman, Esq.
Joseph B. Chapman, Esq.
W. R. Chapman, Esq.
William N. Clarkson, Esq.
Mr. John Corner.
Mr. Richard Craven.
Mr. W. Dotchon.
John Dowson, Esq., M.D.
Rev. John Glover.
Mr. Ralph Horne.
Rev. William Hewson, A.M.
Rev. Joseph Hughes, A.M.
Mrs. Hunton.
Joseph Hunter, Esq.
Rev. William Keane, A.M.
Mr. Henry Knaggs.
E. Preston Mead, Esq., M.D.
G. Merryweather, Esq., M.D.
Mr. J. B. Nicholson.
Mr. William Newton.
George Peirson, Esq.
C. Richardson, Esq.
C. Richardson, Esq. (St. Hilda's).
Thomas Richardson, Esq.
Mr. Silvester Reed.
John J. Rigg, Esq.
Mr. F. K. Robinson.
E. Sherwood, Esq., M.D.
Mr. Martin Simpson.
Mr. M. L. Simpson.
Gideon Smales, Esq.
Mr. John Stevenson.
Trustees of Sneaton Estate.
Mr. William Stonehouse.
John Taylerson, Esq., L.R.C.P.
H. S. Thompson, Esq., M.P.
Mr. Thomas H. Trueman.
Thomas Turnbull, Esq.
William Usherwood, Esq.
Mr. George Vasey.
Thomas Watson, Esq.
John Wilson, Esq., M.D.
H. W. Yeoman, Esq.
John Yeoman, Esq., M.D.

ANNUAL SUBSCRIBERS.

Joseph Barker, Esq.
John Buchannan, Esq.
John Waddington, Esq.
James Walker, Esq.

HONORARY MEMBERS.

Professor Louis Agassiz, M.D. .....*Neufchâtel.*
Rev. Henry Acheson, B.A., F.C.P.S. .....*London.*
Mr. Samuel Anderson, F.L.S..... *Whitby.*
Rev. R. J. Barlow .....*Hutton Rugby.*
William Bean, Esq.....*Scarborough.*
Edwin Cockburn, Esq. .....*London.*
W. H. Dikes, Esq., F.L.S. ..... *Wakefield.*
Dr. W. H. Foster (Surgeon R.N.) ..... *Woolwich.*
William Fryer, Esq. .....*Newcastle.*
W. Hutton, Esq. .....*Newcastle.*
R. E. Scoresby-Jackson, Esq., M.D., F.R.S.E. .....*Edinburgh.*
Robert Knox, Esq., M.D., F.R.S.E., &c. .....*Edinburgh.*
J. Leckenby, Esq. ..... *Scarborough.*
John Edward Lee, Esq. .....*Hull.*
John Mewburn, Esq., M.D. .....*Stamford, Upper Canada.*
Major Constantine Moorsom .....*Birmingham.*
Sir Roderick I. Murchison, F.R.S., F.G.S., &c. .....*London.*
John Phillips, Esq., F.G.S., &c. .....*Oxford.*
Mr. W. Robertson .....*Newcastle.*
Mr. J. W. Robinson .....*London.*
Rev. J. Rutherford .....*Channelkirk.*
Mr. Andrew Sanders.....*Stockton.*
Rev. A. Sedgwick, D.D., F.R.S., &c. .....*Cambridge.*
Wakefield Simpson, Esq. .....*New South Wales.*
Rev. W. Stobbs .....*Stromness.*
Arthur Strickland, Esq. .....*Bridlington Quay.*
Mr. William Trueman .....*Durham.*
Rev. W. Turner.....*Manchester.*
George Watson, Esq. ..... *Whitby.*
W. J. West, Esq. .....*Tunbridge.*
Mr. Thomas Wellbank .....*London.*
Mr. J. Williamson .....*Scarborough.*
Thomas W. Williamson, Esq. ....*Beverley.*

DONATIONS.

Mr. J. Andrew—The Head of a Porpoise.

Mr. Bate—3 Siamese Coins, 1 Silver (1½d.) Coin of William iv., and a Religious Medalion.

Robt. Barry, Esq.—A fine model of a Chinese War Junk.

Mrs. Beecroft—18 Jars and Bottles containing Lizards, Snakes, and Insects in spirits ; 2 African Gods and Skin of a Pangolin.

T. Chapman, Esq., F.R.S.—17 parts of the publications of the Antiquarian Society ; a portion of Spencer's Fairy Queen, old type.

Mrs. George Clark—50 specimens of rare Plants, 4 rare Algœ and 6 Seprariæ, and 4 small Shells.

W. N. Clarkson, Esq.—Ammonites Tubellus, from the Lower Lias, R. H. Bay.

Mr. R. Craven—The Book of Malachi, translated into the Maori language by the Rev. G. Smales, Missionary in New Zealand, formerly of Whitby.

Mrs. Hunton—a small Fish from China.

Mrs. Morgan—2 young Crocodiles.

Master W. H. Robson, Warrington—A collection of 21 recent Shells of Species not previously in the Museum.

The following books have been received as part of Dr. Scoresby's bequest :—Arctic Regions, 2 vols. ; Voyage to Greenland ; German Translation of ditto ; Magnetical Investigations, 3 vols. ; Essays

on Magnetism ; Zoistic Magnetism ; Franklin Expedition ; Memorials of the Sea, 2 vols. ; Esk and Lively ; American Factories ; Memorial of his Son ; Unity of the Church ; Discourses to Seamen ; Seaman's Prayer Book ; Krant's Greenland, in German, 2 vols.

Dr. Scoresby-Jackson—his life of his late uncle, the Rev. Dr. Scoresby, F.R.S., &c.

Mr. Martin Simpson—Spongy Corolines and Lias Fossils, 8 specimens of Fossils from the Yorkshire Oolite, and a copy of his Lecture on the Geology of the District.

Mr. Edward Tindall, Burlington—25 specimens from the Chalk of Flamborough.

The British Association—their 29th Report.

The Royal Society of Edinburgh—the proceedings of, for 1859—60.

The Liverpool Literary & Philosophical Society—the proceedings of, for their 50th Session.

THE TREASURER IN ACCOUNT WITH THE WHITBY LITERARY & PHILOSOPHICAL SOCIETY.

Dr.

1860.		£	s.	d.
October.	To Balance of last account	63	18	7
Nov. 22.	„ Subscriptions	24	15	6
Nov. 23.	„ Baths Rent (half-year)	17	10	0
„	„ Library Rent (half-year).....	11	5	0
Dec. 7.	„ Remainder of Subscriptions	4	16	0
1861.				
May 14.	„ Baths Rent (half-year)	17	10	0
„	„ Library Rent (half-year)	11	5	0
July 31.	„ Visitors (admissions)	5	0	0
Sept. 30.	„ „ „	6	0	0
		£162	0	1

Cr.

1860.		£	s.	d.
Nov. 22.	Varley for collecting subscriptions	1	2	0
„	Income Tax (Baths).....	1	15	0
Dec. 18.	Mr. Smith's bill (books)	2	12	0
1861.				
Jan. 16.	Mr. Pannett, for Insurance	1	2	6
Feb. 11.	Mr. Vasey's bill	2	14	9
„	Mr. J. B. Nicholson's bill	2	16	6
Feb. 12.	Mr. Newton's bill	3	17	6
„	Mr. Reed's bill	3	4	0
„	Mr. Joseph Brown's bill.....	4	0	0
Feb. 22.	Mrs. Woodhouse, for Insurance	2	0	0
Mar. 27.	E. Chapman, Esq., Half-year's Interest	9	11	8
April 15.	Mr. Horne, for Insurance	1	2	6
May 16.	Mr. Readman, mason's bill	1	6	0
Oct. 7.	F. K. Robinson, sundries paid by....	1	16	6
„ 9.	E. H. Chapman, Half-year's Interest, to Sept., £10, less Income Tax....	9	12	6
	Mr. Simpson	10	0	0
	Balance in hand	103	6	8
		£162	0	1

Examined, J. B. BRODRICK, Chairman.

BRIT. MUS

BRIT. MUS.
15 JUN 29
NAT. HIST.

40

NATURAL HISTORY

THE FORTIETH REPORT

OF THE

WHITBY

LITERARY AND PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, 31ST OCTOBER, 1862,

WITH THE

Laws and Regulations of the Society,

AND A

LIST OF THE OFFICERS AND MEMBERS.

Whitby:
PRINTED BY WILLIAM NEWTON, BAXTERGATE.
1862.

BRITISH MUSEUM
NATURAL HISTORY

Form of a Bequest to the Society.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other property, is requested to make use of the following form :—

"I give and bequeath to the Trustees, for the time being, of the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, *the Sum of to be paid out of such part of my personal estate, as I may legally charge therewith (here enumerate the effects or property intended to be bequeathed). And I direct that the receipt of the Treasurer of the said Society for the time being, shall be an effectual discharge to my Executors for the said legacy."*

FORTIETH REPORT.

In presenting their Fortieth Annual Report, the Council have again to congratulate the Members on the steady, progressive, and successful position of the Society.

The pecuniary embarrassments which aforetime so much impeded its progress and limited its operations, are now fast disappearing, and it is hoped that in a short time all these unpleasant reminiscences of the past will be but incentives to renewed exertion for the future.

The debt on the Building is now reduced to £300, and your Council hope by curtailing their expenditure, and by making only limited and timely purchases, to be enabled shortly to lessen even this trifling encumbrance. Beyond the purchase of a few British Birds and of a few Books, urgently required, your Council have expended nothing beyond the unavoidable disbursements of the year.

An Abstract of these accounts, shewing the Society's position, will be found appended.

Your Council have to lament the death of Mr. Joseph Bewick, who had gained for himself a considerable amount of reputation for his scientific and practical knowledge of Geology.

The experiment of reducing the admission money to the Museum, has not been found so successful as its advocates prognosticated, only £7 having been received during the year, as compared with £10 or £12 of past years. This want of success may however be attributed to the badness of the season, or the superior attraction of the great Exhibition.

The reading of Papers during the winter was well sustained, and was a source of considerable gratification to many members who availed themselves of the privilege of hearing them, and was a special means of sustaining the interest felt in the Society's operations.

The following Lectures were given :—

The Rev. J. B. Brodrick, M.A.—"On the Rise and Progress of the Whitby Literary and Philosophical Society."—November 12th.

The Rev. W. Keane, M.A.—"On Salmon Fishing in the Esk."—December 9th.

Charles Bagnall, Esq.—"My visit to Egypt."—January 6th, 1862.

Mr. Martin Simpson,—"On the Rev. Dr. Young."—February

The Rev. W. Hewson, M.A.,—"On Popular Superstitions."

Charles Bagnall, Esq.—"Mount Sinai."—Oct. 29th.

A Conversazione was held on March 11th, at which a paper was read by Dr. Dowson, on the connexion of Insanity with different occupations; another by Mr. M. Simpson, on the Brocklebeck Geological Section and other interesting communications made.

The number of donations to the Museum well attest the interest which friends both at home and abroad still take in its increase and attractions, so much so that your Council are being continually placed in straits for their suitable deposit and exhibition, indeed their most pressing want at present is accommodation.

It is hoped that with the general spread of knowledge and the higher tests of educational proficiency every way now exacted, an institution so well fitted to assist in the developement of youthful minds, and afterwards of maintaining them, will not fail to meet with friends who by their personal exertions and pecuniary assistance, will not allow Whitby to be at all behind-hand in needful accommodation to an institution of such utility and promise as the Literary and Philosophical Society.

Laws and Regulations.

1.—The Society shall be called the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a Museum, and for promoting the interests of Science by such other means as may be found practicable.

2.—All Subscribers of *One Guinea*, or upwards, on admission, and *Half-a-Guinea* annually, may be members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual subscriptions, shall be Governors of this Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with the Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet on the first Thursday of every month, or as often as necessary—three Members forming a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee,

receiving the report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business.—Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous articles, whether of Nature or Art; to which may be added Scientific Books and Philosophical Apparatus.

8.—The Museum shall be open for the inspection of Members, Subscribers, and their families, on such days of the week and under such regulations as the Council shall appoint. On special occasions, the Curators or the Secretaries may admit Members, Benefactors, or Strangers, on those days when it is usually shut.

9.—All new Members shall be admitted by ballot, at a General Meeting of the Society, on such terms as that meeting shall appoint; but the Council may, at any of its meetings, admit to the benefits of the Institution, Subscribers, paying *Twelve Shillings* yearly in advance. Such Subscribers shall have no share in the property of the Society, nor vote at its meetings, nor hold office in it; but they shall have the privilege of introducing strangers and members of their own family to the Museum, and of attending Lectures on the same terms as Members of the Society.

10.—Gentlemen who have rendered important services to the Society may be elected Honorary Members, but such Honorary Members, unless Subscribers, shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum may be open to the public under such restrictions as the Council may deem necessary.

12.—Every member shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide by ballot whether the purchaser or representative shall be admitted

as a Member of the Institution. When any share is transferred, all arrears due upon it must be paid up ; and the representative or assignee of a Life-govenor shall continue to pay the Annual Subscription of *Half-a-Guinea*, or *Five Gnineas* in lieu of such subscription.

13.—The Annual Subscriptions shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any member neglect to pay his subscription before the ensuing Annual Meeting he shall be excluded from the benefits of the Institution, until all arrears due on his share be paid up ; and if any Member neglect paying his subscription for two years, he shall, after notice given him by the Secretary to that effect, be excluded from the society, and forfeit all right and interest in the property of the Institution.

14.—If any Member, or any one introduced by him, shall cause any loss or damage to the property of the Society, such Member shall make good the loss or damage so sustained.

15.—Any Member who is guilty of improper conduct towards the Society, or persists in any breach of its laws, may be expelled, after means have been used by the Council without effect for bringing him to order ; but such expulsion shall not take place without giving him a month's notice, nor without the concurrence of three-fourths of the Members present at a meeting of the Society held for that purpose.

16.—Each Member on his admission shall sign an obligation, binding himself to conform to the Laws and Regulations of the Society so long as he continues a Member.

17.—These laws may be amended or enlarged at any General or Special Meeting of the Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the meeting.

18.—Members can borrow and take away from the Museum, books belonging to the Society, by permission, and under regulations sanctioned by the Council.

RULES FOR ADMISSION TO THE MUSEUM.

ADOPTED BY THE COUNCIL AND CONFIRMED AT A GENERAL MEETING.

1.—The Museum shall be open every week-day by application at the Baths.

2.—Any Member or Subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All persons not so introduced, not being Honorary Members, Benefactors, or belonging to the household of Members or Subscribers, shall pay *Sixpence* each for admission; Children and servants shall be admitted at half-price.

3.—The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book kept for that purpose.

4.—No person shall be permitted to handle the specimens, or take a stick or umbrella into the Museum, or anything likely to occasion damage.

5.—The Museum shall be open to the public on the first Monday in each month, from 11 to 1, under the following restrictions:—

6.—The admission shall be by ticket, given by Members or Subscribers.

7.—Children under fourteen years shall not be admitted, unless under the care of an adult.

8.—All who thus visit the Museum are expected to conduct themselves in an orderly manner.

OFFICERS FOR THE YEAR 1862—1863.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

Vice-Presidents.

CHR. RICHARDSON, Esq. | REV. J. B. BRODRICK, A.M.

Treasurer.

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

Committee.

CORNER, Mr. JOHN
DOWSON, Dr.
KEANE, Rev. W., M.A.
PANNETT, R. W. Esq.
RIGG, J. J. Esq.
STEVENSON, Mr. J.
STONEHOUSE, Mr. W.
WILSON, Dr.

Governors by Subscription.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE THE EARL OF MULGRAVE.
THE RIGHT HONOURABLE LORD FEVERSHAM.

BARRICK, H. Esq.
BLANCHARD, J. Esq.
CHAPMAN, J. B. Esq.
CHAPMAN, E. H. Esq.
CHAPMAN, T. Esq.
CHAPMAN, E. W. Esq.
CHAPMAN, W. R. Esq.
CRAVEN, Mr. RICHARD,
RICHARDSON, CHR., Esq., (St. Hilda's).
SIMPSON, Mr. MARTIN
YEOMAN, H. W. Esq.
SMALES, Rev. GIDEON

Secretaries.

TAYLERSON, Dr. | ROBINSON, Mr. F. K.

Curators.

CLARKSON, W. N. Esq. | SIMPSON, Mr. M.

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HON. THE EARL OF MULGRAVE.
THE RIGHT HON. LORD FEVERSHAM.

Atkinson, Anthony, Esq.
Atkinson, Anthony Owst, Esq., M.A.
Anderson, Mr. Francis
Barrick, H., Esq., (West Side)
Belcher, Thomas W., Esq.
Blanchard, John, Esq.
Brodrick, Rev. J. B., A.M.
Chapman, T., Esq., F.R.S. F.S.A.
Chapman, Edward Henry, Esq.
Chapman, Edward W., Esq.
Chapman, Joseph B., Esq.
Chapman, W. R., Esq.
Clarkson, W. N., Esq.
Corner, Mr. John
Craven, Mr. Richard
Chiesman, Mr.
Dotchen, Mr. William
Dowson, John, Esq., M.D.
Dobson, Mr. Roger
Glover, Rev. John
Horne, Mr. Ralph
Hewson, Rev. William, A.M.
Hughes, Rev. Joseph, A.M.
Hunton, Mrs.
Hunter, Joseph, Esq.
Keane, Rev. William, A.M.
Knaggs, Mr. Henry
Mead, E. Preston, M.D.
Merryweather, G., Esq., M.D.
Nicholson, Mr. J. B.
Newton, Mr. William
Pierson, George, Esq.
Richardson, C., Esq.
Richardson, C., Esq., (St. Hilda's).
Richardson, Thomas, Esq.
Readman, Thos. H.
Rigg, John J. Esq.
Reed, Mr. Silvester
Robinson, Mr. F. K.
Sherwood, E., Esq., M.D.
Simpson, Mr. Martin
Simpson, Mr. M. L.
Smales, Gideon, Esq.
Smales, Rev. Gideon
Stephenson, Thomas, Esq.
Strickland, Charles William, Esq.
Snowden, Mr. Matthew
Stevenson, Mr. John
Trustees of Sneaton Estate
Stonehouse, Mr. William
Taylerson, John, Esq., L.R.C.P.
Thompson, H. S.. Esq., M.P.
Trueman, Mr. Thomas H.
Turnbull, Thomas, Esq.
Usherwood, William, Esq.
Vasey, Mr, George
Watson, Thomas, Esq.
Wilson, John, Esq., M.D.
Yeoman, H. W., Esq.
Yeoman, John, Esq., M.D.

ANNUAL SUBSCRIBERS.

Buchannan, John, Esq.
Barker, Joseph, Esq.

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Agassiz, Professor Louis, M.D. ....*Neufchâtel.*
Acheson, Rev. Henry, B.A., F.C.P.S..... *London.*
Anderson, Mr. Samuel, F.L.S. .....*Whitby.*
Andrew, Rev. W., M.A. .....*Kirkdale.*
Bagnall, Charles, Esq.....*Foutherly Hall, Lichfield.*
Barlow, Rev. R. J.....*Hutton Rugby.*
Bean, William, Esq. .....*Scarborough.*
Cockburn, Edwin, Esq..... .....*London.*
Dikes, W. H. Esq., F.L.S. .....*Wakefield.*
Foster, Dr. W. H., (Surgeon R.N.)..... .....*Woolwich.*
Fryer, William, Esq.....*Newcastle.*
Knox, Robert, Esq., M.D., F.R.S.E., &c. ..... *Edinburgh.*
Leckenby, J. Esq.....*Scarborough.*
Lee, John Edward, Esq. .....*Hull.*
Mewburn, John, Esq., M.D. .....*Stamford, Upper Canada.*
Moorsom, Major Constantine..... *Birmingham.*
Murchison, Sir Roderick I., F.R.S., F.G.S. &c., ...*London.*
Phillipps, John, Esq., F.G.S., &c.....*Oxford.*
Robertson, Mr. W..... .....*Newcastle.*
Robinson, Mr. J. W. .....*London.*
Scoresby-Jackson, R. E., Esq., M.D., F.R.S.E. .....*Edinburgh.*
Sanders, Mr. Andrew .....*Stockton.*
Sedgwick, Rev. A., D.D., F.R.S. .....*Cambridge.*
Simpson, Wakefield, Esq. .....*New South Wales.*
Stobbs, Rev. W..... .....*Stromness.*
Strickland, Arthur, Esq,.....*Bridlington Quay.*
Trueman, Mr. William .....*Durham.*
Turner, Rev. W. .....*Manchester.*
West, W. J., Esq.... .....*Tunbridge.*
Wellbank, Mr. Thomas..... *London.*
Williamson, Mr. J. .....*Scarborough.*
Williamson, Thomas W., Esq.....*Beverley.*

DONATIONS.

Mr. I. Bate—8 Foreign Silver Coins.

Rev. J. Brodrick, M.A.—A Belgian ½ Frank Piece; Manuscript Copy of Lecture on Whitby Literary and Philosophical Society.

Rev. A. W. Brown, A.M., Northampton—His papers on the History and Law of Bells, and on the ancient Seal of Northampton.

Thomas Chapman, Esq., F.R.S., F.S.A.—3 vols. of the Archeologia. Proceedings of the London Antiquarian Society, and a bound copy of Jones' Poems.

Mrs. G. Clark—A collection of about 50 Shells from Guernsey.

William Clarkson, Esq.—2 Rare Ammonites.

Mr. Robert Cole—A fine specimen of Sepia todarus, found on Whitby Sands.

Mr. Richard Horne—A Silver Coin.

— Kershaw, Esq., Warwick; 3 specimens of the Wings of Insects, and 4 Corals from the lower Lias in Warwick—a specimen of Lingula from the upper Lias, Saltwick.

Mr. Kitchen—A Pipe Fish.

Mr. Parker— a collection of Algæ.

Geo. Reade, Esq.—2 Sharks Teeth and a Coprolite, from the Lias at Lyme Regis.

Mr. M. Simpson— 15 Fossils from the Yorkshire Oolite.

Rev. G. Smales—2 Human Skulls, (New Zealanders); 3 Lower Jaws of Dolphin, and Bones of the Albatros.

Thos. Stephenson, Esq.—2 Fishes in Spirit; 3 Pipe Fishes; 12 Crustacea; 2 Star Fishes.

Messrs. Stephenson and Reade—2 fine specimens of Star Fish, taken at Whitby.

Mr. W. Trueman—2 old views of Whitby.

Dr. Taylerson—An account of the Egyptian Mummy at Leeds; Natural History of the Frog-fish; Monograph of the fresh water Mollusca of the United States; an old view of Whitby 1717; Dr. Young's M.S. History of Whitby; a coloured view of Haggerlythe, including the Old Ebenezer, by R. M. Atty, Esq., dated April, 1787.

S. Wilkinson, Esq.—15 Spined Stickleback in Spirit.

Mr. John Winspear, of York—a Microscopic pair of Scissors, weighing only $\frac{1}{30}$ of a grain.

Dr. Wilson—Annual Address of the Scottish Antiquarian Society.

The Royal Society of London—Their proceedings for 1861.

The Royal Society of Edinburgh—Their proceedings for 1861.

The Society of Arts—Their Journal.

The Scarbro' Philosophical Society—Their 30th Report.

BRIT. MUS.
15 JUN 29
NAT. HIST.

THE TREASURER IN ACCOUNT WITH THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY.

Dr.

1861.		£	s.	d.
Nov. 26	To Half year's Bath Rent.....	17	10	0
	— Half-year's Library Rent.....	11	5	0
	— Subscriptions	28	9	6
	— Clear proceeds of Mr. Bagnall's 1st Lecture	1	5	6
1862.				
May	— Mr. Snowden's Entrance Fee, and Subscription to November	1	6	3
10	— Half-year's Rent of Baths	17	10	0
	— Half-year's Rent of Library	11	5	0
Oct. 29	— Proceeds of Mr. Bagnall's Lecture	1	0	6
	— Visitor's Admissions	7	0	0
	— Balance of last account	103	6	8
		£199	18	5

Cr.

1861.		£	s.	d
Nov. 7	By E. H. Chapman, Esq.....	100	0	0
„ 16	— Varley for collecting subscriptions	1	2	0
„ 25	— Baths	6	15	5
1862				
Jan. 2	— Mr. Pannett, for Insurance.....	1	2	6
„ 28	— Mr. Horne for Insurance	1	2	6
Feb. 8	— Mr. Nicholson's bill.....	1	5	6
Mar. 7	— Mr. Vasey's bill	5	5	6
Apr. 2	— Mrs. Woodhouse, for Insurance...	2	0	0
May 16	— Smith, Baths	2	0	11
Oct. 2	— E. H. Chapman, Esq., (Interest)	15	3	9
„ 30	— F. K. Robinson, sundries paid by	2	0	2
	— Mr. Simpson	10	0	0
	— Balance in hand	52	0	2
		£199	18	5

Examined, J. B. BRODRICK, Chairman.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

41

BRITISH MUSEUM
NATURAL HISTORY

THE FORTY-FIRST REPORT

OF THE

WHITBY

LITERARY & PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, 30TH OCTOBER, 1863,

WITH THE

Laws and Regulations of the Society,

AND A

LIST OF THE OFFICERS AND MEMBERS.

"THESE BE THE ARMS OF THE MONASTERY OF WHITBY, WHICH MONASTERY IS FOUNDED OF ST. YLDA."

Copied from the Manuscript of *Tong's Heraldic Visitation to the Counties*, A.D. 1530, now in the British Museum.

WHITBY:

PRINTED BY SILVESTER REED, OLD MARKET PLACE.

1863.

Form of a Bequest to the Society.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other property, is requested to make use of the following form :—

"I give and bequeath to the Trustees, for the time being, of the Whitby Literary and Philosophical Society, the Sum of to be paid out of such part of my personal estate, as I may legally charge therewith (here enumerate the effects or property intended to be bequeathed). And I direct that the receipt of the Treasurer of the said Society for the time being, shall be an effectual discharge to my Executors for the said legacy."

FORTY-FIRST REPORT.

The forty-first year of this society's operations like that of several preceding ones, has been unmarked by any transactions of special interest.

The desire to husband the funds of the institution so as to enable your council to effect a further reduction of the debt on the building, has tended much to restrict their sphere of action, and to limit their outlays for the Museum, which have chiefly been for British Birds and a few books.

To the Donations of friends, therefore, which on reference to the list appended, will be found to be both numerous and valuable, has the society been mainly indebted for its augmented treasures.

Your council have great pleasure in stating, that by the payment of 100*l.* out of a balance in the hands of their treasurer, they have been enabled to reduce the mortgage on the building to 200*l.*, and feel animated

by the hope that by a little longer continued care and economy, aided by the kind offices of liberal friends, they may shortly extinguish the debt altogether.

Freed from pecuniary difficulties, your Council would be able to direct their attention to several necessary alterations in the Museum, and some improvements in the fabric.

Through the death of the Marquis of Normanby, the society has to lament the loss of its first Patron, who for nearly thirty years has not only been a bright ornament of the institution, but at all times a steady friend and liberal benefactor.

It is hoped the excellent qualities of the father will be inherited by the son, and that the loss sustained by the institution will be but transient and reparable.

The members will be happy to learn that the present Marquis on the application of one of your Vice-Presidents, has kindly consented to become his father's successor as Patron of the Society.

The reading of Papers during the winter was well sustained, and secured the attendance of larger audiences than on some previous years.

The following is the list:—

The Rev. William Keane, A.M.—"On Hindoo-Germanic Superstitions."—December.

The Rev. J. B. Brodrick, A.M.—"England, past, present, and future."—January 13th, 1863.

Dr. Dowson.—"On the Yorkshire Dialect."—February 10th.

The Rev. Gideon Smales.—"On the Polynesian Language."—March 12th.

The Rev. William Keane, A.M.—"On Doomsday Book."—April 14th.

The Museum still continues to attract a numerous list of visitors, the numbers being larger this year than on some previous years, and the money received for admission correspondently increased—viz., 10*l.*

The treasurer's account (an abstract of which will be found on the last page) exhibits a healthy financial aspect.

Altogether your Council feel satisfied with the position of the society, and see no cause of apprehension for its future, but on the contrary look confidently forward to years of augmented prosperity and increased utility.

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2.—All Subscribers of *One Guinea*, or upwards, on admission, and *Half-a-Guinea* annually, may be members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual subscription, shall be Governors of this Society.

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OFFICERS FOR THE YEAR 1863-64.

PATRON:

THE MOST NOBLE THE MARQUIS OF NORMANBY.

PRESIDENT:

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

VICE-PRESIDENTS:

CHR. RICHARDSON, Esq. | Rev. J. B. BRODRICK, A.M.

TREASURER:

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

COMMITTEE:

CHIESMAN, Mr. W. G.
CORNER, Mr. JOHN
DOWSON, Dr.
KEANE, Rev. W., A.M.
PANNETT, R. E., Esq.
RIGG, J. J., Esq.
STEVENSON, Mr. J.
WILSON, Dr.

GOVERNORS BY SUBSCRIPTION.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE LORD FEVERSHAM.

BARRICK, H. Esq.
BLANCHARD, J. Esq.
CHAPMAN, J. B. Esq.
CHAPMAN, E. H. Esq.
CHAPMAN, T. Esq.
CHAPMAN, E. W. Esq.
CHAPMAN, W. R. Esq.
CRAVEN, Mr. RICHARD
RICHARDSON, C. Esq. (St. Hilda's).
SIMPSON, Mr. MARTIN
SMALES, Rev. GIDEON
YEOMAN, H. W. Esq.

SECRETARIES:

TAYLERSON, Dr. | ROBINSON, Mr. F. K.

CURATORS:

CLARKSON, W. N., Esq. | SIMPSON, Mr. MARTIN.

Members of the Society.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

THE RIGHT HONOURABLE LORD FEVERSHAM.

Atkinson, Anthony Esq.
Atkinson, Anthony O. Esq., A.M.
Anderson, Mr. Francis
Barrick, H. Esq., (West side)
Belcher, Thomas W. Esq.
Blanchard, John Esq.
Brodrick, Rev. J. B., A.M.
Chapman, T. Esq., F.R.S., F.S.A.
Chapman, Edward Henry Esq.
Chapman, Edward W. Esq.
Chapman, Joseph B. Esq.
Chapman, W. R. Esq.
Cholmley, Mrs.
Clarkson, W. N. Esq.
Corner, Mr. John
Craven, Mr. Richard
Chiesman, Mr. W. G.
Dotchon, Mr. William
Dowson, John Esq., M.D.
Frankland, Mrs.
Glover, Rev. John
Horne, Mr. Ralph
Hewson, Rev. William A.M.
Hughes, Rev. Joseph A.M.
Hunton, Mrs.
Hunter, Joseph Esq.
Huntrods, Thomas Esq.
Keane, Rev. William A.M.
Knaggs, Mr. Henry
Mead, E. Preston Esq., M.D.
Merryweather, G. Esq., M.D.
Nicholson, Mr. J. B.
Newton, Mr. William
Owen, Rev. John
Pannett, R. E. Esq.
Peirson, George Esq.
Percival, Captain
Richardson, C. Esq.
Richardson, C. Esq., (St. Hilda's)
Richardson, J. B. Esq.
Richardson, Thomas Esq.
Readman, Mr. T. H.
Rigg, John J. Esq.
Reed, Mr. Silvester
Robinson, Mr. F. K.
Sherwood, E. Esq., M.D.
Simpson, Mr. Martin
Smales, Gideon Esq.
Smales, Rev. Gideon
Stephenson, Thomas Esq.
Strickland, Charles William Esq.
Snowden, Mr. Matthew
Stevenson, Mr. John
Stonehouse, Mr. William
Taylerson, John Esq., L.R.C.P.
Thompson, H. S. Esq., M.P.
Trueman, Mr. Thomas H.
Turnbull, Thomas Esq.
Usherwood, William Esq., A.M.
Wilson, John Esq., M.D.
Yeoman, H. W. Esq.
Yeoman, John Esq., M.D.

ANNUAL SUBSCRIBERS.

Buchannan, John Esq.
Barker, Joseph Esq.

HONORARY MEMBERS.

Agassiz, Professor Louis, M.D. ..... *Neufchatel.*
Acheson, Rev. Henry, B.A., F.C.P.S. ..... *London.*
Anderson, Mr. Samuel, F.L.S. ..... *Whitby.*
Andrew, Rev. W., M.A. ..... *Whitfield.*
Bagnall, Charles, Esq. ..... *Fotherly Hall, Lichfield.*
Barlow, Rev. R. J. ..... *Hutton Rugby.*
Bean, William, Esq., ... *Scarborough.*
Cockburn, Edwin, Esq. ..... *London.*
Dikes, W. H. Esq., F.L.S. ..... *Wakefield.*
Fryer, William, Esq. ..... *Newcastle.*
Knox, Robert, Esq., M.D., F.R.S.E., &c. ..... *Edinburgh.*
Leckenby, J. Esq. ..... *Scarborough.*
Lee, John Edward, Esq. ..... *Hull.*
Mewburn, John, Esq., M.D. ..... *Stamford, Upper Canada.*
Moorsom, Major Constantine ..... *Birmingham.*
Murchison, Sir Roderick I., F.R.S., F.G.S., &c. ..... *London.*
Phillips, John, Esq., F.G.S., &c. ..... *Oxford.*
Robertson, Mr. W. ..... *Newcastle.*
Scoresby-Jackson, R. E., Esq., M.D., F.R.S.E. ..... *Edinburgh.*
Sanders, Mr. Andrew ..... *Stockton.*
Sedgwick, Rev. A., D.D., F.R.S, ... *Cambridge.*
Simpson, Wakefield, Esq. ..... *New South Wales.*
Stobbs, Rev. W. ..... *Stromness.*
Strickland, Arthur, Esq. ..... *Bridlington Quay.*
Trueman, Mr. William ..... *Durham.*
West, W. J., Esq. ..... *Tunbridge.*
Wellbank, Mr. Thomas ..... *London.*
Williamson, Mr. J. ..... *Scarborough.*
Williamson, Thomas W., Esq. ..... *Beverley.*

DONATIONS.

———ooo———

Mr. PETER APPLETON.—An Ephemera.

ANTHONY OWST ATKINSON, Esq., A.M., (Hull).—2 Ostrich Eggs.

Mr. ISAAC BATE.—6 Silver Coins; a specimen of the Torbane-hill Mineral and Paraffine Candle.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.—The Report of the Astronomer Royal for 1862–3.

The Rev. J. B. BRODRICK, A.M.—Coin of William III.

Mrs. GEORGE CLARK.—A Sepia Octopodia taken at Whitby; 5 British Shells; 2 Corallines; and Head of a Snipe.

Mr. JOHN CORNER.—An old View of Whitby from the Sea.

Captain EVERERD, R.N.—A superb Chinese Robe.

Dr. SCORESBY-JACKSON.—His Book on Medical Meteorology.

Mr. G. KITCHEN.—A Curlew, shot at Upgang; 4 Crustacea; a Californian Quail; and a specimen of French Jet.

Mr. LISTER, (Glaisdale).—A Kestrel; Golden Plover; Wood Wren; Ring Ouzel; and a Crested Lapwing.

GEORGE READE, Esq.—An Asterias Albida.

Mr. M. SIMPSON.—100 specimens of carboniferous Fossils from Scotland; 2 Autograph Letters from Dr. Buckland; and the official Catalogue of the Great Exhibition of 1862.

The Rev. GIDEON SMALES.—A collection of 50 New Zealand Shells.

Dr. TAYLERSON.—A collection of Copper Coins.

Mr. JOHN TAYLOR.—A List of the Subscribers to the building of the Whitby Workhouse in 1794.

R. B. TENNANT, Esq., and J. OLIVER, Esq., (London).—8 specimens of Hematite Iron Ore from Auchencairn; 3 specimens of Copper Ore; 1 of Sulphate of Barytes; and 1 of Silver from Kirkudbrightshire.

Mr. WM. TRUEMAN, (Durham).—Gibson's Paper on the Whitby and Pickering Canal.

Mr. EDWIN TURNBULL.—Specimen of French Jet.

GEORGE WADDINGTON, Esq.—Fossil Plant from Bromley Fall.

JAMES WILKINSON, Esq.—Official Catalogue of the Great Exhibition of 1851.

Royal Society of Edinburgh.—Transaction, vol. xxiii. pt. 1, session 1861–2; Proceedings for 1861–2.

Literary and Philosophical Society of Liverpool.—No. 16 of their Proceedings.

W. N. CLARKSON, Esq.—A Groat of Henry IV.

Mr. T. H. READMAN.—A copy of the "Anomaliæ," a Whitby publication of 1798, by William Watkins.

BRIT. MUS
15 JUN 29

The Treasurer in Account with the Whitby Literary and Philosophical Society.

DR.

		£	s.	d.
1862.				
Nov. 29	Varley for collecting Subscriptions	1	2	0
Dec. 17	Mr. Smith, Baths	4	10	0
30	Mr. Christmas for Insurance.....	2	0	0
1863.				
Jan. 8	Mr. Pannett for Insurance	1	2	6
Feb. 5	Mr. Nicholson's bill	1	16	0
7	Mr. Brown's bill.....	3	11	6
9	Mr. Newton's bill	2	18	6
10	Sundry small bills paid by Mr. Robinson ..	2	8	5
Mar. 5	Mr. Vasey's bill	0	18	8
	Mr. Horne's bill	4	2	6
May 5	Mr. Horne for Insurance	1	2	6
14	Mr. Smith's bill	4	0	5
Sept. 14	E. H. Chapman, Esq., Interest to.....	14	10	0
	Principal.....	100	0	0
Oct. 8	Mr. Simpson for British Birds	3	0	0
12	Sundries disbursed by Mr. Robinson	0	11	4
	Mr. M. Simpson.....	10	0	0
		£157	14	4

CR.

		£	s.	d.
1862.				
	Balance of last years account.....	52	0	2
	Rev. G. Smales' Entrance Fee and Subsptn.	5	15	6
Nov. 26	Half year's Rent of Baths	17	10	0
	Ditto of Library	11	5	0
Dec. 1	Subscriptions	24	16	6
18	Ditto	4	14	6
1863.				
April 3	Mr. Huntrod's Entrance Fee	1	1	0
May 13	Half year's Rent of Baths	17	10	0
	Ditto of Library	11	5	0
Oct. 9.	Visitor's Admissions.....	10	0	0
	Balance due to the Treasurer.....	1	16	8
		£157	14	4

Examined October 30th, 1863.

J. B. BRODRICK, Chairman.

BRIT. MUS
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRITISH MUSEUM
NATURAL HISTORY

THE FORTY-SECOND REPORT

OF THE

WHITBY

LITERARY & PHILOSOPHICAL SOCIETY,

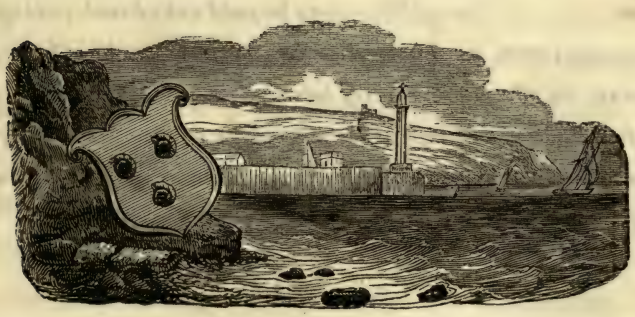
PRESENTED AT THE ANNUAL MEETING, 28TH OCTOBER, 1864,

WITH THE

Laws and Regulations of the Society,

AND A

LIST OF THE OFFICERS AND MEMBERS.



WHITBY:
PRINTED AT THE OFFICE OF WILLIAM NEWTON,
BAXTERGATE.
1864.

BRITISH MUSEUM
NATURAL HISTORY

Form of a Bequest to the Society.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other property, is requested to make use of the following form:—

"I give and bequeath to the Trustees, for the time being, of the Whitby Literary and Philosophical Society, the Sum of to be paid out of such part of my personal estate, as I may legally charge therewith (here enumerate the effects or property intended to be bequeathed). And I direct that the receipt of the Treasurer of the said Society for the time being, shall be an effectual discharge to my Executors for the said legacy."

REPORT.

It is now forty-two years since the Whitby Literary and Philosophical Society was established, and upon last year's affairs and proceedings, we find nothing unfavourable to prosperity and progression. To the Museum collection, additions have been made chiefly by gift, with a few specimens obtained by purchase in the Ornithological department; and the finances of the Society are calculated, in those respects, to mark its stability.

Since the publication of the last Report, EUGENE F. NOEL, Esq., of London, has become a life governor of the Institution; whilst among the Donations, in addition to its local interest, we find the valuable gift of the six-inch Ordnance Map of Yorkshire, in its serial sheets, presented, with other things, by our

President, THOMAS CHAPMAN, Esq., F.R.S., F.A.S; and a selection of Fossil Plants from W. BEANE, Esq., of Scarborough, one of our honorary members.

The Council keep in view the reduction of the building debt, and trust they will shortly be able still further to lessen the amount which remains.

During the last year, death has removed another of our friends, or rather, we may say, of our Founders, whose exertions in the establishment of this Society, are by many of us remembered. We allude to the late JOHN MEWBURN, Esq., M.D., of Stamford, Niagara, Upper Canada, whose name stands associated with the efforts of YOUNG, RIPLEY, BIRD, and others of its early members, in giving the Society a position among our local institutions, and in ably defining and carrying out the objects of its formation. To the solid basis laid in their day, without disparaging the subsequent augmentations of their successors, the Museum is indebted for what constitutes the most valuable portion of its attractions,—namely, a choice selection of the fossils for which the neighbourhood of Whitby is so renowned, and which, under the care

and arrangement of our talented Curator, has rendered it a treasure of reference to the geologist, as as well as, in other respects, a repository of instruction to the more general investigator. Let us then, as one of our members has well remarked on a former occasion, endeavour to increase our collection, thankful to those enlightened men who in past years had zeal enough in the cause of science to undertake its formation, leaving to us the comparative easy task of preservation and addition, at the same time keeping in view the importance of extending the place at a convenient period, for its better accommodation; some of our valuable specimens being imperfectly exhibited, and many objects of interest with other material addenda of the institution, not exhibited at all.

There are instances where certain of our fossils are refered to as markworthy illustrations in the books of eminent geologists; and in this way, for a forthcoming publication, Professor Phillips of Oxford, has just visited the Whitby collection, and obtained drawings of a number of the rare Belemnites belonging to this quarter. These, we believe, were

sometime ago taken from the strata for the Museum by Mr. Martin Simpson, and judging from the singular excellence and variety of the specimens, we should despair, so to speak, of seeing them replaced by a similar set, except by one whose knowledge of the fossiliferous beds was equal to his own.

The last year's Lectures were the following:—

Mr. Martin Simpson,—"On College Education in connection with Dr. Young and Edinburgh."—November.

The Rev. W. Keane, A.M.—"On the Primitive Religions of the East."—December.

The Rev. G. Smales,—"On the Mythology of the Maoris."—January.

Mr. Chiesman,—"Education in former days."—March.

The Rev. W. Hewson, A.M.—"On the Argonauts."— April.

The admission money for the last year is £9.

The donations to the Museum will be found on a further page; and an abstract of the Treasurer's account on the last.

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OFFICERS FOR THE YEAR 1864-5.

Patron:

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President:

THOMAS CHAPMAN, Esq., F.R.S.. F.S.A.

Vice Presidents:

CHR. RICHARDSON, Esq. | Rev. J. B. BRODRICK, A.M.

Treasurer:

CHRISTOPHER RICHARDSON, Esq., St, Hilda's.

Council:

CHIESMAN, Mr. W. G.
CORNER, Mr. JOHN
DOWSON, Dr.
KEANE, Rev. W., A.M.
PANNETT, R. E., Esq.
RIGG, J. J., Esq.
STEVENSON, Mr. J.
WILSON, Dr.

Governors by Subscription.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE LORD FEVERSHAM.

BARRICK, H. Esq.
BLANCHARD. J. Esq.
CHAPMAN, J. B. Esq.
CHAPMAN, E. H, Esq.
CHAPMAN, T. Esq.
CHAPMAN, E. W. Esq.
CHAPMAN, W. R. Esq.
CRAVEN, Mr. RICHARD
NOEL, E. F. Esq.
RICHARDSON. C. Esq., (St. Hilda's).
SIMPSON, Mr. MARTIN
SMALES, Rev. GIDEON
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Secretaries:

TAYLERSON, Dr. | ROBINSON, Mr. F. K.

Curators:

CLARKSON, W. N., Esq. | SIMPSON, Mr. MARTIN

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

THE RIGHT HONOURABLE LORD FEVERSHAM.

Atkinson, Anthony Esq.
Atkinson, Anthony O. Esq., A.M.
Anderson, Mr. Francis
Barrick, H. Esq., (West side)
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Chapman, Edward W. Esq.
Chapman, Joseph B. Esq.
Chapman, W. R. Esq.
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Clarkson, W. N. Esq.
Corner, Mr. John
Craven, Mr. Richard
Chiesman, Mr. W. G.
Dotchon, Mr. William
Dowson, John Esq., M.D.
Frankland, Mrs.
Glover, Rev. John
Horne, Mr. Ralph
Hewson, Rev. William A.M.
Hughes, Rev. Joseph A.M.
Hunton, Mrs.
Hunter, Joseph Esq.
Huntrods, Thomas Esq.
Keane, Rev. William A.M.
Knaggs, Mr. Henry
Mead, E. Preston Esq., M.D.
Merryweather, G. Esq., M.D.
Nicholson, Mr. J. B.
Newton, Mr. William
Owen, Rev. John
Pannett, R. E. Esq.
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Percival, Captain
Richardson, C. Esq.
Richardson, C. Esq.,(StHilda's)
Richardson, J. B. Esq.
Richardson, Thomas Esq.
Readman, Mr. T. H.
Rigg, John J. Esq.
Reed, Mr. Silvester
Robinson, Mr. F. K.
Sherwood, E. Esq., M.D.
Simpson, Mr. Martin
Smales, Gideon Esq.
Smales, Rev. Gideon
Stephenson, Thomas Esq.
Strickland, Charles William Esq
Snowden, Mr. Matthew
Stevenson, Mr. John
Stonehouse, Mr. William
Taylerson. John Esq., L.R.C.P.
Thompson, H. S. Esq., M.P.
Trueman, Mr. Thomas H.
Turnbull, Thomas Esq.
Usherwood, William Esq., A.M.
Wilson, John Esq., M.D.
Yeoman, H. W. Esq.
Yeoman, John Esq., M.D.

ANNUAL SUBSCRIBERS.

Buchannan, John Esq.
Barker, Joseph Esq.

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Agassiz, Professor Louis, M.D.....*Neufchatel.*
Acheson, Rev. Henry, B.A., F.C.P.S.....*London.*
Anderson, Mr. Samuel, F.L.S.....*Whitby.*
Andrew, Rev. W., M.A.....*Whitfield.*
Bagnall, Charles, Esq.....*Fotherly Hall, Lichfield.*
Barlow, Rev. R. J.....*Hutton Rugby.*
Bean, William, Esq.....*Scarborough.*
Cockburn, Edwin, Esq.....*London.*
Dikes, W. H. Esq., F.L.S.....*Wakefield.*
Fryer, William, Esq.....*Newcastle.*
Knox, Robert, Esq., M.D., F.R.S.E., &c.....*Edinburgh.*
Leckenby, J. Esq.....*Scarborough.*
Lee, John Edward, Esq.....*Hull.*
Moorsom, Major Constantine.....*Birmingham.*
Murchison, Sir Roderick I., F.R.S., F.G.S., &c.....*London.*
Phillips, John, Esq., F.G.S., &c.....*Oxford.*
Robertson, Mr. W.....*Newcastle.*
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Sanders, Mr. Andrew.....*Stockton.*
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Simpson, Wakefield, Esq.....*New South Wales.*
Stobbs, Rev. W.....*Stromness.*
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Trueman, Mr. William.....*Durham.*
West, W. J. Esq.....*Tunbridge.*
Williamson, Mr. J.....*Scarborough.*
Williamson, Thomas W., Esq.....*Beverley.*

DONATIONS.

W. BEAN, Esq., Scarborough.—18 specimens of Fossil Plants, from Gristhorp, near Scarborough.

The LORD BISHOP OF OXFORD.—A Silver Maundy Penny of 1862.

THOMAS CHAPMAN, Esq.—Volume of the Archœologia; Proceedings &c., of the London Antiquarian Society; 12 sheets of the 6 in. Ordnance Map of East Yorkshire; Anniversary Address of the Anthropological Society of London; Lloyd's Register of British and Foreign Shipping for 1863—4.

Edinburgh Royal Society.—The Society's Proceedings.

Rev. W. HEWSON, A.M.—A grotesque Oriental Figure, coloured and gilded; and other figures carved in a circular disc of soapstone.

Hull Literary & Philosophical Society.—The Society's Annual Report.

J. LECKENBY, Esq., Scarborough.—His Pamphlet on the Sandstones and Shales of Scarborough.

Mr. LISTER, Glazedale.—Four British birds.

Liverpool Literary and Philosophical Society.—The Society's Proceedings.

Mr. PARKER , Wales.—28 specimens of Algœ,

Mr. MARTIN SIMPSON.—Dr. Carte's description of a new species of Plêsiosaurus from Whitby; Symond's British Rainfall; Pinnafolium; Four Belemnites from the Lower Lias, R. H. Bay.

THOMAS STEPHENSON, Esq.—A fine large specimen of the Astacus aranœus.

BRIT. MUS.

The Treasurer in Account with the Whitby Literary and Philosophical Society.

DR.

		£	s.	d.
1863.				
	To half year's Bath Rent..	17	10	0
Nov. 20	ditto Library do	11	5	0
28	Subscriptions.....	28	10	0
1864.				
May 13	To half year's Bath Rent.....	17	10	0
,,	ditto Library do.....	11	5	0
Sept. 22	Life Subscription from E. F. Noel, Esq...	10	10	0
Aug. 31	Visitor's Admission.....	9	0	0
		£105	10	0

CR.

		£	s.	d.
1863.				
Oct.	Balance of last year's account.....	1	16	8
Nov. 23	Varley for collecting Subscriptions.....	1	2	0
Dec. 10	Mr. Smith's bill.....	3	0	0
30	Mr. Christmas, Insurance.....	2	0	0
1864.				
Jan. 6	Mr. Pannett, Insurance.....	1	2	6
12	Mr. Nicholson's bill.....	16	16	6
Feb. 4	Mr. Lakin's do.....	1	13	6
5	Mr. Truemen's do.....	4	4	0
	Mr. Brown's do..	2	3	3
	Mr. Reed's do.....	3	4	6
12	Mr. Taylerson, Mason.....	10	13	0
Mar. 3	Mr. Horne's bill.....	1	10	0
	Mr. Robinson for small sums disbursed.....	2	0	0
	Mr. Smith's bill.....	3	4	0
Sept.	Interest to E. H. Chapman, Esq.....	9	14	7
Oct. 17	Mr. Martin Simpson.....	10	0	0
	do do	1	10	0
	Balance	29	15	6
		£105	10	0

Examined Oct. 28th, 1864.

J. B. BRODRICK, Chairman.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRITISH MUSEUM
NATURAL HISTORY

THE FORTY-THIRD REPORT

OF THE

WHITBY

LITERARY & PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, 27th OCTOBER, 1865,

WITH THE

Laws and Regulations of the Society,

AND A

LIST OF THE OFFICERS & MEMBERS.

WHITBY:
PRINTED BY HORNE & SON, GAZETTE OFFICE, BRIDGE-ST.,
1865.

BRITISH MUSEUM
NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other property, is requested to make use of the following form :—

"*I give and bequeath to the Trustees for the time being, of the Whitby Literary and Philosophical Society, the Sum of to be paid out of such part of my personal estate, as I may legally charge therewith (here enumerate the effects or property intended to be bequeathed). And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy.*"

REPORT.

In writing the Forty-Third Report of the Whitby Literary and Philosophical Society, as a summary of its proceedings and a statement of its accounts for the past year, it will be seen that there is every cause for satisfaction with the position of the Institution in both these implied departments.

The last Report intimated the commencement of a collection of the wild birds and quadrupeds frequenting the neighbourhood of Whitby, of the variety of which, few, it is said, have any correct idea; and the desirability of such a collection has repeatedly been suggested by the curious in those respects, who have visited the Museum. To carry out this view, with the sanction of the Council, a spacious glass case has been erected for their reception, and above a hundred specimens have already been obtained. Some of these are gifts from gentlemen who have kindly aided our intentions, but the greater portion have been procured through the exertions of Mr. George Kitching, the preserver of

objects belonging to this branch of Natural History. The number of British birds is estimated to be above three hundred; and according to those who are conversant on the subject, it would appear that about two hundred species are to be found in the glens, moors, and cliffs of this quarter; so if we have so far collected the half of what belongs to us, we may hope to gain the remainder at no distant period. Of the variety already on our shelves, it is but a merited compliment to Mr. Kitching, to say, that his management as regards the animation or life-likeness of the assemblage, bespeaks a high degree of skill in those matters; and though he possesses a knowledge of their haunts in the district, still many of them are only occasionally to be met with after much pursuit; while the liberal terms on which he has supplied the specimens to the Museum, deserve the thanks of the Society. The credit of the arrangement is due to the curator, Mr. Martin Simpson.

In the present list of donors, several will be found who have been liberal on former occasions. Mrs. Clark has given a number of the Coal Fossils from Halifax. Mr. John Corner has presented Gibson's

two large and scarce Prints of Whitby Abbey; and Dr. TAYLERSON a View of Whitby on the east side of the river entrance as it appeared in 1785; in this way intimating that a public museum is a fitting repository for old views, maps, books, and so forth, which have a special reference to the town and neighbourhood wherein that museum is formed. Many a curious item of the above description has already been preserved; and as a further hint to our frends in this part and elsewhere, many more of a similar kind might be added to the collection.

The visitor's admission money for the past twelve-month amounts to £6 10s.

The last winter's Lectures were the following :—

November.—"On Books: their Readers and Writers." Rev. J. B. BRODRICK, A.M.

December.—"Other Inhabited Worlds besides the Earth." Rev. J. HUGHES, A.M.

January.—"Dr. Young's College Education." Continued. Mr. MARTIN SIMPSON.

February.—"On the late Sir Robert Peel." Rev. J. OWEN.

March.—"Scholastic Lore in Days of Yore." W. G. CHIESMAN, Esq.

LAWS AND REGULATIONS.

1.—The Society shall be called the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a Museum, and for promoting the interests of Science by such other means as may be found practicable.

2.—All Subscribers of *One Guinea*, and upwards, on admission and *Half-a-Guinea* annually, may be members of the Society ; and Subscribers of *Five Guineas* on admission and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual subscription, shall be Governors of this Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with the Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet on the first Thursday of every month, or as often as necessary,—three Members forming a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October, in each year, for electing a new Committee, receiving the report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business. — Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous articles, whether of nature or art ; to which may be added Scientific Books and Philosophical Apparatus.

8.—The Museum shall be open for the inspection of Members Subscribers, and their families, on such days of the week and under such regulations as the Council shall appoint. On special occasions, the Curators or the Secretaries may admit Members, Benefactors, or Strangers, on those days when it is usually shut.

9.—All new Members shall be admitted by ballot at a General Meeting of the Society on such terms as that meeting shall appoint; but the Council may, at any of its meetings, admit to the benefits of the Institution, Subscribers paying *Twelve Shillings* yearly in advance. Such Subscribers shall have no share in the property of the Society, nor vote at its meetings, nor hold office in it; but they shall have the privilege of introducing strangers and members of their own family to the Museum, and of attending Lectures, on the same terms as Members of the Society.

10.—Gentlemen who have rendered important services to the Society may be elected Honorary Members, but such Honorary Members, unless Subscribers, shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum may be open to the public under such restrictions as the Council may deem necessary.

12.—Every Member shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide by ballot whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all assignees of a Life-governor shall continue to pay the Annual Subscription of *Half-a-Guinea* or *Five Guineas* in lieu of subscription.

13.—The Annual Subscriptions shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglect to pay his subscription before the Annual Meeting, he shall be excluded from the benefits of the Institution until all arrears due on his share be paid up; and if any member neglect paying his subscription for two years, he shall, after notice given him by the Secretary to that effect, be excluded from the Society, and forfeit all right and interest in the property of the Institution.

14.—If any Member, or any one introduced by him, shall cause any damage to the property of the Society, such Member shall make good the loss or damage so sustained.

15.—Any Member who is guilty of improper conduct towards the Society, or persists in any breach of its laws, may be expelled, after means have been used by the Council without effect for bringing him to order; but such expulsion shall not take place without giving him a month's notice, nor without the concurrence of three-fourths of the Members present at a meeting of the Society held for that purpose.

16.—Every Member on his admission, shall sign an obligation binding himself to conform to the Laws and Regulations of the Society so long as he continues a Member.

17.—These Laws may be amended or enlarged at any General or Special Meeting of the Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the meeting.

18.—Members can borrow or take away from the Museum books belonging to the Society, by permission, and under regulations sanctioned by the Council.

RULES FOR ADMISSION TO THE MUSEUM.

Adopted by the Council and Confirmed by a General Meeting.

1.—The Museum shall be open every week-day by application at the Baths.

2.—Any Member or Subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All persons not so introduced, not being Honorary Members, Benefactors, or belonging to the household of Members or Subscribers, shall pay *Sixpence* each for admission ; Children and Servants shall be admitted at half-price.

3.—The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book kept for that purpose.

4.—No person shall be permitted to handle the specimens, or take a stick or umbrella into the Museum, or anything likely to occasion damage.

5.—The Museum shall be open to the public on the first Monday in each month, from 11 to 1, under the following restrictions :—

6.—The admission shall be by ticket given by Members or Subscribers.

7.—Children under fourteen years shall not be admitted unless under the care of an adult.

8.—All who thus visit the Museum are expected to conduct themselves in an orderly manner.

OFFICERS FOR THE YEAR 1865-6.

Patron :

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President :

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

Vice-Presidents :

CHR. RICHARDSON, Esq. | Rev. J. B. BRODRICK, A.M.

Treasurer :

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

Council :

CHIESMAN, Mr. W. G.
DOWSON, Dr.
KEANE, Rev. W., A.M.
OWEN, Rev. J.
PANNETT, R. E. Esq.
RIGG, J. J., Esq.
STEVENSON, Mr. J.
WILSON, Dr.

Governors by Subscription ;

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE LORD FEVERSHAM.

BARRICK, H. Esq.
BLANCHARD, J. Esq.
CHAPMAN, J. B., Esq.
CHAPMAN, E. H., Esq.
CHAPMAN, T., Esq.
CHAPMAN, E. W., Esq.
CHAPMAN, W. R., Esq.
CRAVEN, Mr. RICHARD
NOEL, E. F., Esq.
RICHARDSON, C., Esq., St. Hilda's
SIMPSON, Mr. MARTIN
SMALES, Rev. GIDEON
YEOMAN, H. W., Esq.

Secretaries ;

TAYLERSON, Dr. | ROBINSON, Mr. F. K.

Curators ;

CLARKSON, W. N., Esq. | SIMPSON, Mr. MARTIN

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE LORD FEVERSHAM.

Atkinson, Anthony, Esq.
Atkinson, Anthony O., Esq., A.M.
Anderson, Mr. Francis
Barrick, H., Esq. (West Side)
Belcher, Thomas W., Esq.
Blanchard, John, Esq.
Brodrick, Rev. J. B., A.M.
Chapman, T., Esq., F.R.S., F.S.A.
Chapman, Edward Henry, Esq.
Chapman, Edward W., Esq.
Chapman, Joseph B., Esq.
Chapman, W. R., Esq.
Cholmley, Mrs.
Clarkson, W. N., Esq.
Corner, Mr. John
Craven, Mr. Richard
Chiesman, Mr. W. G.
Dotchon, Mr. William
Dowson, John, Esq., M.D.
Frankland, Mrs.
Glover, Rev. John
Horne, Mr. Ralph
Hewson, Rev. William, A.M.
Hughes, Rev. Joseph, A.M.
Hunton, Mrs.
Hunter, Joseph, Esq.
Huntrods, Thomas, Esq.
Keane, Rev. William, M.A.
Knaggs, Mr. Henry
Mead, E. Preston, Esq., M.D.
Merryweather, G., Esq., M.D.
Nicholson, Mr. J. B.
Newton, Mr. William
Owen, Rev. John
Pannett, R. E., Esq.
Peirson, George, Esq.
Percival, Captain
Richardson, C., Esq.
Richardson, C., Esq. (St. Hilda's)
Richardson, J. B., Esq.
Richardson, Thomas, Esq.
Readman, Mr. T. H.
Rigg, John J., Esq.
Reed, Mr. Silvester
Robinson, Mr. F. K.
Sherwood, E., Esq., M.D.
Simpson, Mr. Martin
Smales, Gideon, Esq.
Smales, Rev. Gideon
Stephenson, Thomas, Esq.
Strickland, Charles William, Esq.
Snowdon, Mr. Matthew
Stevenson, Mr. John
Stonehouse, Mr. William
Taylerson, John, Esq., L.R.C.P.
Thompson, H. S., Esq.
Trueman, Mr. Thomas H.
Turnbull, Thomas, Esq.
Usherwood, William, Esq., A.M.
Wilson, John, Esq., M.D.
Yeoman, H. W., Esq.
Yeoman, John, Esq., M.D.

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Buchannan, John, Esq. | Barker, Joseph, Esq.

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Agassiz, Professor Louis, M.D.....*Neufchatel.*
Acheson, Rev. Henry, B A., F.C.P.S. .....*London.*
Anderson, Mr. Samuel, F.L.S. ..... *Whitby.*
Bagnall, Charles, Esq., M.P .....*Sneaton Castle.*
Barlow, Rev. R. J. .. ..*Hutton Rugby.*
Bean, William, Esq. .....*Scarborough.*
Cockburn, Edwin, Esq. .....*London.*
Dikes, W. H., Esq., F.L.S. ..... *Wakefield.*
Fryer, William, Esq. .....*Newcastle.*
Leckenby, J., Esq.....*Scarborough.*
Lee, John Edward, Esq. .....*Hull.*
Moorsom, Major Constantine .....*Birmingham.*
Murchison, Sir Roderick I., F.R.S., F.G.S., &c. .....*London.*
Phillips, John, Esq., F.G.S., &c. .....*Oxford.*
Robertson, Mr. W. ....*Newcastle.*
Scoresby-Jackson, R. E., Esq., M.D., F.R.S.E....*Edinburgh.*
Sanders, Mr. Andrew .....*Stockton.*
Sedgwick, Rev. A., D.D., F.R.S.....*Cambridge.*
Stobbs, Rev. W.....*Stromness.*
Strickland, Arthur, Esq.....*Bridlington Quay.*
West, W. J., Esq. .....*Tunbridge.*
Williamson, Mr. J. .....*Scarborough.*
Williamson, Thomas W., Esq. .....*Beverley.*

DONATIONS

Presented to the Museum since the last Report.

Mr. ISAAC BATE.—A Prussian Silver Coin. Silver Twopence of Queen Anne.

T. W. BELCHER, Esq.—The Long-eared Bat.

Rev. J. B. BRODRICK, A.M.—Female Sparrow Hawk.

J. BUCHANNAN, Esq.—Large Lobster, from Cape Cod, in a glass case.

Mrs. CLARK.—34 specimens of Coal Fossils, from Halifax.

THOS. CHAPMAN, Esq., F.R.S., F.S.A.—Proceedings of the Antiquarian Society of London, Earl Stanhope's Address to the Society of Antiquaries.

Mr. JOHN CORNER.—Gibson's two large Prints of Whitby Abbey, glazed and framed.

EDINBURGH ROYAL SOCIETY.—Their Proceedings, 1863-4.

Mrs. HUNTON.—Chinese Weighing Machine, small, for the hand. Three Brass Idols. Eighteen pieces of Chinese Money. Chinese Wooden Implement for Feeding an Infant.

Mr. G. KITCHING.—River Lamprey, from the Esk. Head of a Cuttle Fish.

LIVERPOOL LITERARY & PHILOSOPHICAL SOCIETY. —Their Proceedings, No. 18.

GEO. READE, Esq.—A fine specimen of the Owlet and the Coot.

Mr. F. K. ROBINSON.—*Help to Family Devotion,* Rev. Thos. Watson's, Whitby.

Rules to be "observed and performed" by the Brotherly Society "held at the House of Mr. Thomas Clark, commonly known by the sign of the Golden Lion, in Whitby, in the county of York." Printed by Webster of Whitby; with the names of 140 members.

THOS. STEPHENSON, Esq.—Two small Fishes.

Dr. TAYLERSON.—An East-side View of Whitby, from the site of the present West Pier Battery, marked as drawn by R. M. Atty, 1785.

Mr. E. TINDALE, Burlington.—Crag Fossils from that quarter.

H. S. THOMPSON, Esq.—Golden Pheasant.

G. W. WADDINGTON, Esq.—Ammonites Heterophyllus from the Pecten cygnipes ironstone band.

YORKSHIRE PHILOSOPHICAL SOCIETY.—Four Lithographic Prints of the Moa, from New Zealand; the *Diornis robustus* of Professor Owen.

Donor unknown.—A Death's-head Moth.

BRIT. MUS
15 JUN 29
NAT. HIST.

The Treasurer in Account with the Literary and Philosophical Society.

Dr.

		£	s.	d.
1864.				
	Balance	29	15	6
Nov. 23.	To half year's Bath Rent.....	17	10	0
	Ditto Library do.....	11	5	0
Nov. 24.	Subscriptions.....	25	17	6
Dec. 19.	Ditto	1	11	6
1865.				
Jan. 3.	Ditto	0	10	6
May 26.	To half year's Bath Rent	17	10	0
	Ditto Library do.....	11	5	0
	Visitors' Admission	6	10	0
	Chamber's Donation to the Building Fund	0	10	0
		£122	5	0

Cr.

		£	s.	d.
1864.				
Nov. 23.	Mr. Smith's bill	3	0	0
Nov. 24.	Varley for collecting subscriptions	1	2	0
1865.				
Jan. 4.	Mr. Pannett, Insurance	1	2	6
Jan. 9.	Mr. Horne, ditto	1	2	6
„	Mr. Christmas, ditto	2	0	0
Feb. 8.	Mr. Brown's bill	2	12	0
„	Mr. Newton's bill	4	2	0
„	Mr. F. K. Robinson's bill for sundries ..	1	17	4
Mar. 20.	Messrs. Smales & Co.....	3	2	0
Mar. 22.	Paid for Brit. Birds	8	11	6
Mar. 24.	Mr. Brown's bill	3	8	0
May 26.	Mr. Smith's ditto	3	10	0
Oct. 17.	Mr. F. K. Robinson, sundry disbursements,	1	1	11
	E. H. Chapman 1 year's interest on mort.	9	15	10
	Balance in Treasurer's hands	75	17	0
		£122	5	0

Examined and approved, October 27th, 1865,

JOHN B. BRODRICK, Chairman.

Horne and Son, Printers and Booksellers, *Gazette* Office, Whitby.

BRIT. MUS
15 JUN 29
NAT. HIST.

BRIT. MUS
15 JUN 29
NAT. HIST.

44

BRITISH MUSEUM
NATURAL HISTORY

THE FORTY-FOURTH REPORT

OF THE

WHITBY

Literary and Philosophical Society,

PRESENTED AT THE ANNUAL MEETING, 26TH OCTOBER, 1866,

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

AND A

LIST OF THE OFFICERS AND MEMBERS.

WHITBY:

PRINTED BY LOCKEY & CLARK, "TIMES" OFFICE, BAXTERGATE.

1866.

BRITISH MUSEUM
NATURAL HISTORY

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REPORT.

The period has again arrived for presenting the Annual Report of the Whitby Literary and Philosophical Society, this being the forty-fourth year of its existence.

The payment of the debt on the building which the Society holds having been steadily kept in view, it is now gratifying to announce, that the discharge of the whole will shortly be accomplished. The Society will then be at greater liberty to devote more of its means for the better accommodation of its collection, a step which all acknowledge to be urgently needful. This last point, however, is matter for future consideration.

Several valuable donations, during the past year, have been presented to the Museum. Edmund Coulson, Esq., has given a large collection of Plants and Shells, made in the neighbourhood of Whitby, by the late Wm. Hunter and Wm. Middleton, Esqrs.,

both of whom are alluded to for their knowledge of botany, by Dr. Young, in his history. We may here mention that Mr. Middleton was the author of a botanical work in French, which, like Jones's "Whitby—a Poem," has hitherto eluded research. Mrs. G. Clark has presented a variety of marine Plants, collected on our shores; Mr. Martin Simpson, about two hundred specimens of Belemnites from the Whitby lias; John Leckenby, Esq., Scarborough, a variety of very rare British Shells, and some Fossils from the Drift near Scarborough; Mr. Bate, a number of Coins, many of them silver. The donations, in full, are on a further page.

Among the visitors for the last year, the names are found of individuals of high scientific attainments, whose researches, directed to the geology of this quarter, have been aided by the Society's collection; for the specimens on the shelves of a museum in its various departments hold the same place as the typographical contents of a library to a lover of books. Some additions have been made to the numbers, already obtained, of those birds which are known to frequent our neighbourhood; and though,

of late, we have not been so successful in this respect as at the outset, the object in view will not be forgotten. The Ribbon Fish lately procured, which was cast ashore near Whitby, is pronounced, as a specimen, to be a great rarity. It was rescued and preserved by Mr. Kitching.

This season, only three Lectures have been delivered. One by the Rev. John Andrew, "On New Zealand;" "On Natural History," by Mr. Martin Simpson; "The Physical Geography of New Zealand," by the Rev. Gideon Smales.

The visitors' admission money for the present year amounts to £9 10s.

LAWS AND REGULATIONS.

1.—The Society shall be called the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a Museum, and for promoting the interests of Science by such other means as may be found practicable.

2.—All Subscribers of *One Guinea,* and upwards, on admission and *Half-a-Guinea* annually, may be members of the Society; and Subscribers of *Five Guineas* on admission and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual subscription, shall be Governors of this Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with the Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet on the first Thursday of every month, or as often as necessary,—three members forming a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October in each year, for electing a new Committee, receiving the report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business.—Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

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9.—All new Members shall be admitted by ballot at a General Meeting of the Society on such terms as that meeting shall appoint; but the Council may, at any of its meetings, admit to the benefits of the Institution, Subscribers paying *Twelve Shillings* yearly, in advance. Such Subscribers shall have no share in the property of the Society, nor vote at its meetings, nor hold office in it; but they shall have the privilege of introducing strangers and members of their own family to the Museum, and of attending Lectures, on the same terms as Members of the Society.

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11.—The Museum may be open to the public under such restrictions as the Council may deem necessary.

12.—Every Member shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide by ballot whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all assignees of a Life-governor shall continue to pay the Annual Subscription of *Half-a-Guinea* or *Five Guineas* in lieu of subscription.

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OFFICERS FOR THE YEAR 1866.

Patron:

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President:

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

Vice-President:

Rev. J. B. BRODRICK, A.M.

Treasurer:

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

Council:

CHIESMAN, Mr. W. G.
DOWSON, Dr.
KEANE, Rev. W., A.M.
OWEN, Rev. J.
PANNETT, R. E., Esq.
RIGG, J. J., Eeq.
STONEHOUSE, Mr. W.
WILSON, Dr.

Governors by Subscription:

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE LORD FEVERSHAM.

BARRICK, H., Esq.
BLANCHARD, J., Esq.
CHAPMAN, J. B., Esq.
CHAPMAN, E. H., Esq.
CHAPMAN, T., Esq.
CHAPMAN, E. W., Esq.
CHAPMAN, W. R., Esq.
CRAVEN, Mr. RICHARD.
NOEL, E. F., Esq.
RICHARDSON, C., Esq., St. Hilda's
SIMPSON, Mr. MARTIN.
SMALES, Rev. GIDEON.
YEOMAN, H. W., Esq.

Secretaries:

TAYLERSON, Dr.
ROBINSON, Mr. F. K.

Curators:

CLARKSON, W. N., Esq.
SIMPSON, Mr. MARTIN.

MEMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE LORD FEVERSHAM.

Atkinson, Anthony, Esq.
Atkinson, Anthony O., Esq., A.M.
Anderson. Mr. Francis.
Barrick, H., Esq. (West Side.)
Belcher, Thomas W., Esq.
Blanchard, John, Esq.
Brodrick, Rev. J. B., A.M.
Chapman, T., Esq., F.R.S., F.S.A.
Chapman, Edward Henry, Esq.
Chapman, Edward W., Esq.
Chapman, Joseph B., Esq.
Chapman, W. R., Esq.
Cholmley, Mrs.
Clarkson, W. N., Esq.
Corner, Mr. John
Craven, Mr. Richard
Chiesman, Mr. W. G.
Dotchon, Mr. William
Dowson, John, Esq., M.D.
Frankland, Mrs.
Glover, Rev. John
Horne, Mr. Ralph
Hewson, Rev. William, A.M.
Hughes, Rev. Joseph, A.M.
Hunton, Mrs.
Hunter, Joseph, Esq.
Huntrods, Thomas, Esq.
Keane, Rev. William, M.A.
Lockey, Mr. W. G.
Mead, E. Preston, Esq., M.D.
Merryweather, G., Esq , M.D.
Nicholson, Mr. J. B.
Newton, Mr. William
Owen, Rev. John
Pannett, R. E. Esq.
Peirson, George, Esq.
Percival, Captain
Richardson, C. Esq.
Richardson, C., Esq. (St. Hilda's)
Richardson, J. B., Esq.
Richardson, Thomas, Esq.
Readman, Mr. T. H.
Rigg, John J., Esq.
Reed, Mr. Silvester
Robinson, Mr. F. K.
Sherwood, E., Esq., M.D.
Simpson, Mr. Martin
Smales, Gideon, Esq.
Smales, Rev. Gideon
Stephenson, Thomas, Esq
Strickland, Charles William, Esq.
Snowdon, Mr. Matthew
Stevenson, Mr. John
Stonehouse, Mr. William
Taylerson, John. Esq., L.R.C.P.
Thompson, H. S., Esq.
Trueman, Mr. Thomas H.
Turnbull, Thomas, Esq.
Usherwood, William, Esq., A.M.
Wilson, John, Esq., M.D.
Yeoman, H. W., Esq.
Yeoman, John, Esq., M.D.

ANNUAL SUBSCRIPTIONS.

Buchannan, John, Esq.
Barker, Joseph, Esq.

HONORARY MEMBERS.

Agassiz, Professor Louis, M.D. .....*Neufchatel.*
Acheson, Rev. Henry, B.A., F.C.P.C.....*London.*
Anderson, Mr. Samuel, F.L.S..... .....*Whitby.*
Bagnall, Charles, Esq., M.P. .....*Sneaton Castle.*
Barlow, Rev. R. J. .....*Hutton Rugby.*
Bean, William, Esq.....*Scarborough.*
Cockburn, Edwin, Esq. .....*London.*
Dikes, W. H., Esq., F.L.S. .....*Wakefield.*
Fryer, William, Esq. .....*Newcastle.*
Leckenby, J. Esq .....*Scarborough.*
Lee, John Edward, Esq. .....*Hull.*
Moorsom, Major Constantine .....*Birmingham.*
Murchison, Sir Roderick I., F.R.S., F.G.S., &c.....*London.*
Phillips, John, Esq., F.G.S., &c. .....*Oxford.*
Robertson, Mr. W. .....*Newcastle.*
Scoresby-Jackson, R. E., Esq., M.D., F.R.S.E.....*Edinburgh.*
Sedgwick, Rev. A., D.D., F.R.S. .....*Cambridge.*
Stobbs, Rev. W. .....*Stromness.*
Strickland, Arthur, Esq. .....*Bridlington Quay.*
West, W. J., Esq. .....*Tunbridge.*
Williamson, Mr. J. .....*Scarborough.*
Williamson, Thomas W. Esq. .....*Beverley.*

DONATIONS

Presented to the Museum since the last Report.

Mr. I. BATE,—5 Silver Coins, viz., Colonial Half-crown of George 4th, 20 Cent Pieces of Napoleon, 3 Cent Pieces of the United States, a Spanish Coin, 1756 ; Hamburgh Schelling, 2 Copper Coins, viz., a 5 Cent Piece, and a 10 Cent Piece of Napoleon 3.

Rev. J. B. BRODRICK, A.M.—A Silver Coin of Ferdinand and others.

G. BUCHANNAN, Esq.—Plans of Lands near Whitby, interesting, as drawn by Lionel Charlton.

Mr. S. BURN.—A Leaden Token marked with the name of the Rev. Peter Thompson, formerly of Cliff-lane Chapel, Whitby; its use being that of an admission ticket to the Sacrament.

THOS. CHAPMAN, Esq., F.R.S., &c.—39th Vol., Part 2nd of the Archæologia.

Mrs. G. CLARK.—22 fine specimens of Marine Plants, collected near Whitby ; 2 specimens of Helix Uva.

EDMUND COULSON, Esq.—A large collection of Plants and Shells, made in the neighbourhood of Whitby, by Wm. Hunter and Wm. Middleton, Esqs.

COMMANDER HARRINGTON, R.N.—A Model of a Japanese Rice Junc.

HULL LITERARY AND PHILOSOPHICAL SOCIETY.—Their last year's Report.

Mr. THOS. KING,—4 Prints of Old Views of Whithy.

JOHN LECKENBY, Esq., Scarborough.—5 very rare British Shells, viz., 2 Fusus Turtoni, F. Berniciensis, Buccinum Dalei, Panopœa Norvigica, and 4 Lias Fossils, from the Drift, near Scarborough.

Mr. LISTER, Glazedale.—A fine stuffed specimen of the Black Grouse, and 25 Insects, collected in the neighbourhood; a Ring Dove, Stock Dove, and Fly Catcher.

G. READE, Esq.—A specimen of Medusa in spirit, and a curious Flint found beneath the chancel floor of Bishopbourne church.

C. RICHARDSON, Esq. (St. Hilda's), Fossils from Cambridge.

Mr. MARTIN SIMPSON.—A collection of about 200 specimens of Belemnites from the Whithy Lias.

Mr. WM. STONEHOUSE.—A fine stuffed specimen of the Wood Grouse, from Norway; and a Photograph of "St. Hilda's Monument," as an old memorial cross, standing in the chancel of Hackness church.

Dr. TAYLERSON.—Three Copper Coins; one being a Greek coin of Ptolemy; Engraving of a Chart, drawn by the late Francis Gibson, F.A.S., of Whitby, for ships sailing to Copenhagen; Two French Assignats.

Capt. WHITE, Hawsker.—Sacred Fire Reeds of the Arabs, from Aran; a Spider in Spirit, from Africa; and Iron Pyrites from Genoa.

BRIT. MUS.
15 JUN 29
NAT. HIST.

The Treasurer in Account with the Literary and Philosophical Society.

1865.	Dr.	£	s.	d.
Oct.	To Balance	75	17	5
Nov. 23.	,, Half-year's Rent of Baths	17	10	0
	Ditto Library	11	5	0
Nov. 25.	,, Subscriptions	25	7	0
1866.				
June 4.	,, Half-year's Rent of Baths	17	10	0
	Ditto Library	11	5	0
Sep. & *Oct.*	,, Visitors	9	10	0
Oct. 18.	,, Balance due to Treasurer	73	19	0
		£242	3	5

1865.	Cr.	£	s.	d.
Oct. 23.	By Mr. Simpson	10	0	0
Nov. 24.	,, Mr. Smith's bill	2	10	5
Nov. 25.	,, Mr. Varley, Collector	1	2	0
1866.				
Jan. 11.	,, Mr. Christmas, Insurance	1	12	6
Jan. 17.	,, Mr. Pannett ditto	0	15	0
Jan. 30.	,, Mr. Horne ditto	0	15	0
Feb. 6.	,, Mr. Nicholson's bill	1	13	8
	,, Mr. Newton's bill	1	8	6
	,, Mr. Lacken's bill	2	19	6
Feb. 26.	,, Mr. F. K. Robinson's bill for sundries	2	8	9
Mar. 1.	,, Mr. Brown's bill	1	12	0
	,, Mr. Readman's bill	0	14	11
April 5.	,, Mr. Brown's bill	3	9	6
June 7.	,, Mr. King's bill	0	15	0
June 19.	,, Mr. Smith's bill	2	10	6
Oct. 17.	,, Mr. Robinson's bill	1	0	0
	,, Mr. Kitching's bill	1	17	6
Mar 10.	,, E. H. Chapman, Esq., Balance on Mortgage £200 0 0			
	,, Interest 4 18 8			
		204	18	8
		£242	3	5

Examined and Approved,
JOHN B. BRODRICK, Chairman.

Lockey & Clark, Printers and Stationers, "Times" Office, Baxtergate, Whitby.

BRIT. MUS.
15 JUN 29
NAT. HIST.

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NAT. HIST.

THE FORTY-FIFTH REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, 25th OCTOBER, 1867,

WITH THE

Laws and Regulations of the Society,

AND

A LIST OF THE OFFICERS AND MEMBERS.

WHITBY:
S. REED, PRINTER, OLD MARKET PLACE AND WEST CLIFF.
1867.

BRITISH MUSEUM
NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

———:o:———

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following Form :—

"I give and bequeath to the Trustees for the time being, of the Whitby Literary and Philosophical Society, the Sum of to be paid out of such part of my personal Estate, as I may legally charge therewith (here enumerate effects or property intended to be bequeathed) And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

REPORT.

—:o:—

In bringing forward the Forty-fifth Report of the Whitby Literary and Philosophical Society, the substance in point of detail will be found similar to that of the two last preceeding years, viz:—a satisfactory state of the finances, and certain additions to the Museum Collection. These additions are chiefly Donations, the Council keeping steadily in view the desirability of entire freedom from debt, before any material outlay can be contemplated.

During the past year, our President, Thomas Chapman, Esq., F.R.S., F.S.A., has given, as usual, the publications for that period, of the Archeological Society, &c. R. M. Hunton, Esq., has added to the fossil treasures of the Museum a large specimen of the *Icthyosaurus*, from the Loftus Alum Works, in this quarter; and the Society, in consideration of so valuable a donation, have elected him a Governor of the Institution. The Memoirs of the Geological Survey of the United Kingdom, eight in number, obtained

free on application through Sir R. Murchison, form, with their costly and unrivalled illustrations of fossil specimens, a valuable accession to the Museum Library.

Since the publication of the last Report, death has removed three of our oldest supporters—Christopher Richardson, Esq., Field House, one of the Vice-Presidents of this Society; John Blanshard, Esq., one of its Life Governors; and Thomas Turnbull, Esq., as one among the very few left of our earliest Subscribers. To these matters of regret, we have to add the early death of an Honorary Member, Dr. Scoresby-Jackson, author of "Medical Climatology," a work which the medical press has pronounced to be second to none of its kind; with other productions, he also wrote the life of the late Dr. Scoresby, whose liberality to this Society stands already recorded. Dr. Jackson was a native of Whitby, but a resident in Edinburgh.

The Council beg to record their thanks to Charles Bagnall, Esq., M.P., for the late loan of his Collection of Egyptian Antiquities, and for the pamphlets descriptive of the same, which he placed at their disposal for distribution.

Mr. W. Dotchon has allowed the comb with Runic characters which he lately found in this quarter, to be

exhibited in the Museum. Of bone, and belonging to the 7th century, it is accompanied with a copy of the inscription as deciphered by the Rev. Dr. Haigh, of Erdington, near Birmingham.

The Lectures during the past year, were the following :—

November.—"On Natural History," by Mr. Martin Simpson.

January.—"On Coal," by Charles Bagnall, Esq., M.P.

March.—"On the Ornithology of New Zealand," by the Rev. Gideon Smales.

The admission money to the Museum since last October amounted to £9 10s.

RULES AND REGULATIONS.

———:o:———

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OFFICERS FOR THE YEAR 1867.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

Vice-Presidents.

Rev. J. B. BRODRICK, A.M. | C. RICHARDSON, Esq., St. Hilda's

Treasurer.

CHRISTOPHER RICHARDSON, Esq., St. Hilda's

Council.

CHIESMAN, Mr. W. G.
DOWSON, Dr.
KEANE, Rev. W., A.M.
OWEN, Rev. J.
PANNETT, R. E., Esq.
RIGG, J. J., Esq
STONEHOUSE, Mr. W.
WILSON, Dr.

Governors by Subscription.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE LORD FEVERSHAM.

BARRICK, H., Esq.
CHAPMAN, J. B., Esq.
CHAPMAN, E. H., Esq.
CHAPMAN, T., Esq.
CHAPMAN, E. W., Esq.
CHAPMAN, W. R., Esq.
CRAVEN, Mr. RICHARD
HUNTON, R. M., Esq.
NOEL, E. F., Esq.
RICHARDSON, C., Esq., St. Hilda's
SIMPSON, Mr. MARTIN
SMALES, Rev. GIDEON
YEOMAN, H. W., Esq.

Secretaries.

TAYLERSON, Dr. | ROBINSON, Mr. F. K.

Curators.

CLARKSON, W. N., Esq. | SIMPSON, Mr. MARTIN

MEMBERS OF THE SOCIETY.

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Chapman, T., Esq., F.R.S., F.S.A.
Chapman, Edward Henry, Esq
Chapman, Edward W., Esq.
Chapman, Joseph B., Esq.
Chapman, W. R., Esq.,
Cholmley, Mrs.
Clarkson, W. N., Esq.
Corner, Mr. John
Craven, Mr. Richard
Chiesman, Mr. W. G.
Dotchon, Mr. William
Dowson, John, Esq., M.D.
Frankland, Mrs.
Glover, Rev. John
Horne, Mr. Ralph
Hewson, Rev. William, A.M.
Hughes, Rev. Joseph, A.M.
Hunton, Mrs.
Hunter, Joseph, Esq.
Huntrods, Thomas, Esq.
Keane, Rev. William, M.A.
Lockey, Mr. W. G.
Mead, E. Preston, Esq., M.D.
Merryweather, G., Esq., M.D.
Nicholson, Mr. J. B.
Newton, Mr. William
Owen, Rev. John
Pannett, R. E., Esq.
Peirson, George, Esq.
Percival, Captain
Richardson, C., Esq., St. Hilda's
Richardson, J. B., Esq.
Richardson, Thomas, Esq.
Readman, Mr. T. H.
Rigg, John J., Esq.
Reed, Mr. Silvester
Robinson, Mr. F. K.
Sherwood, E., Esq., M.D.
Simpson, Mr. Martin
Smales, Gideon, Esq.
Smales, Rev. Gideon
Stephenson, Thomas, Esq.
Strickland, Charles William, Esq.
Snowdon, Mr. Matthew
Stevenson, Mr. John
Stonehouse, Mr. William
Taylerson, John, Esq., L.R.C.P.
Trueman, Mr. Thomas H.
Turnbull, Thomas, Esq.
Usherwood, William, Esq., A.M.
Wilson, John, Esq., M.D.
Yeoman, H. W., Esq.
Yeoman, John, Esq., M.D.
Yorke, Mr. Algernon.

ANNUAL SUBSCRIBERS.

Buchannan, John, Esq. | Barker, Joseph, Esq.

HONORARY MEMBERS.

Agassiz, Professor Lewis, M.D .....*Neufchatel*
Acheson, Rev. Henry, B.A., F.C.P.C.....*London*
Barlow, Rev. R. J. .....*Hutton Rugby*
Cockburn, Edwin, Esq. .....*London*
Dikes, W. H., Esq., F.L.S.....*Wakefield*
Fryer, William, Esq. .....*Newcastle*
Leckenby, J., Esq. .....*Scarborough*
Lee, John Edward, Esq.....*Hull*
Moorsom, Major Constantine .....*Birmingham*
Murchison, Sir Roderick I., F.R.S., F.G.S., &c.....*London*
Philips, John, Esq., F.G.S., &c. .....*Oxford*
Robertson, Mr. W.....*Newcastle*
Sedgwick, Rev. A., D.D., F.R.S. .....*Cambridge*
Stobbs, Rev. W. .....*Stromness*
Strickland, Arthur, Esq.....*Bridlington Quay*
West, W. J., Esq. .....*Tunbridge*
Williamson, Mr. J. .....*Scarborough*
Williamson, Thomas W., Esq. .....*Beverley*

LIST OF DONATIONS.

Rev. J. B. BRODRICK, M.A.—Some British Insects.

Mr. J. BARRY, Esk Terrace.—A Silver 5 Franc, time of the French Revolution.

Mr. I. BATE.—Silver Half-Franc of the French Republic; Silver Sixpence, George III., 1787; Silver Threepence, William IV.; Silver Groat, Charles II.; Silver Quarter Franc, Louis Philip; Silver Five Cents., United States; Coin of Fifty Cents., Napoleon III.; Half Franc, Charles X.

Captain BAXTER.—A Silver Schilling; Hamburgh, 1773.

THOMAS CHAPMAN, Esq.—Vols. 40 and 41 of the Archœologia, Vol. 3, Proceedings of the Society of Antiquaries. Lloyd's List. July 31st., 1747, No. 1219.

Mrs. G. CLARK.—12 specimens of rare Algœ, from this neighbourhood. A fine specimen of Belemnites Tubularis.

CECIL DENNY, Esq., London.—Seal, shot by him on the Coast near Whitby.

THOMAS DOTCHON, Esq.—Plan and Section in Colored Lithography of the Railway between Whitby and Pickering, surveyed under the direction of G. Stephenson, Esq., by Fred. Swanwick; also a Copy of Act of Parliament for the same, dated 1833.

EDINBURGH ROYAL SOCIETY.—Their Proceedings.

HULL LITERARY AND PHILOSOPHICAL SOCIETY.—Their last Report.

R. M. HUNTON, Esq.—Large Fossil specimen of the Icthyosaurus or Lizard Fish.

LEEDS LITERARY AND PHILOSOPHICAL SOCIETY.—Their last Report.

W. C. MARQUE, Esq.—Baillier's Gazette of New South Wales.

Sir R. MURCHISON.--Memoirs of the Geological Survey of the United Kingdom, eight in number.

Mr. WM. KING.—Five Engraved Views relating to Whitby and the Neghbourhood, chiefly from Old Drawings. Gray's Genera of Birds. A Copper Coin.

Mrs. ROTHWELL.—A "Boat Yoke," said to have belonged to the celebrated circumnavigator Captain Cook.

Mr. F. K. ROBINSON.—Drawing by Dr. Haigh, of the 7th. Century. Comb alluded to, with its inscription. Volume of Sermons by the late Rev. Joseph Robertson, of Sleights ; Inscribed to the Very Reverend the Dean of Ripon, R. D. Waddilove, who was formerly Incumbent of Whitby. Printed by Webster, on the Crag, 1795.

Mr. M. SIMPSON.—Cincindela campestris taken near the Museum.

Rev. GIDEON SMALES.—Several Old Acts of Parliament relating to Whitby. Specimen of Coral, from the Mountain Limestone of Swaledale. His Work on Whitby Authors and their Publications. A Manuscript Journal of a Whitby ship ; and four other Publications.

R. SCORESBY-JACKSON, M.D.—His Pamphlet on a particular case of Typhus Fever.

Mr. TYERMAN.—Stockton Penny Token.

CAPTAIN WHITE, Hawsker.—Cameleons Eggs in spirits. African Gourd.

Dr. TAYLERSON.—A French Assignat. A Handbill of Sale of vessel called *Three Brothers*, Whitby built, "John Jackson, deceased, late Master," London, March 20th, 1755.

BRIT. MUS.
15 JUN 29
NAT. HIST.

The Treasurer in Account with the Literary and Philosophical Society.

1866.	Dr.	£	s.	d.
Nov. 23.	To Half-year's Bath Rent	17	10	0
	ditto. Library Rent	11	5	0
Nov. 24	„ Subscriptions	26	8	0
May 1.	„ Half-year's Library Rent	11	5	0
„ 13.	„ ditto. Bath do.	17	10	0
Sept.	„ Visitors	7	10	0
„	„ Sale ef Catalogues	0	2	4
Oct.	„ Balance due to Treasurer	38	4	7
		£129	14	11

1866.	Cr.	£	s.	d.
	By Balance from last Account	73	19	0
Nov. 23.	„ Mr. Smith's bill	4	7	2
„ 24.	„ Mr. Varley, for Collecting	1	2	0
„ 26.	„ Mr. Martin Simpson	10	0	0
1867.				
Jan. 2.	„ Mr. Christmas, Insurance	1	12	6
„ 7.	„ Mr. Horne ditto	0	15	0
„ 9.	„ Mr. Pannett ditto	0	15	0
Feb. 7.	„ Mr. Brown, Glazier	5	2	6
	Mr. Lockey's bill	3	10	6
„ 8.	„ Messrs. Walker and Hunter	4	8	0
„ 9.	„ Mr. F. K. Robinson, small payments	1	8	10
„ 11.	„ Mr. Larken's bill	3	2	6
May 7.	„ Mr. Readman's bill	4	9	8
„ 13.	„ Mr. Smith, Baths	2	7	4
„ 14.	„ Mr. F. K. Robinson, small sums	1	2	6
„ 17.	„ Mr. Simpson to Mr. Kitching	3	8	6
June 6.	„ Mr. Horne's bill	3	3	6
July 4.	„ Mr. King, 1 Vol. Whitby Repository	0	8	0
„	„ 400 Museum Catalogues	2	0	0
„	„ Interest on advance to 31st. Dec., 1866	2	12	5
		£129	14	11

Examined and Approved,
JOHN B. BRODRICK, M.A., Chairman.

SILVESTER REED, PRINTER, OLD MARKET PLACE AND WEST CLIFF, WHITBY.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

9h

BRITISH MUSEUM
NATURAL HISTORY

THE FORTY-SIXTH REPORT

OF THE

WHITBY LITERARY

AND

PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING,
25TH OCTOBER, 1868,

WITH THE

Laws and Regulations of the Society,

AND

A LIST OF THE OFFICERS & MEMBERS.

WHITBY:
PRINTED BY WILLIAM NEWTON, BAXTERGATE.
1868.

BRITISH MUSEUM
NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following Form:—

"I give and bequeath to the Trustees for the time being, of the Whitby Literary and Philosophical Society, the Sum of to be paid out of such part of my personal Estate as I may legally charge therewith, (here enumerate effects or property intended to be bequeathed) And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

REPORT.

IN reporting the proceedings of the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY during the forty-sixth year of its existence, the Council have the satisfaction of stating that the affairs of the Institution continue to prosper, and that in the various departments of the Museum several accessions, as usual, have been made by donation. At the same time, a few books of a local character have been purchased for the Museum Library, such as the illustrated works of Cædmon, the poet of Streonshalh, and the copious philological publication of the Rev J. C. Atkinson, recently issued, namely, "The Glossary of the Cleveland Dialect."

It is likewise gratifying to notice the visits to the Museum during the past year, of men of science from a distance, for the purpose of consulting its stores in geology, by the examination and comparison of which, they are enabled to increase the interest of their prospective publications, as in previous periods.

And here, another relative point may be alluded to. We are glad to find that our able curator, Mr Martin Simpson, has re-published his Hand-book on the Geology of the Yorkshire Coast, to which he has added sectional illustrations. The work, for its value, has been much in request, and apart from its general use on the subject of Geology, its details display in an admirably comprehensive form, the rich field in those matters which the immediate neighbourhood of Whitby presents. We learn that in studying the Geology of the Yorkshire coast, much assistance may be derived from the Museums of Whitby and Scarborough. The Scarborough Museum, as might be expected, is the richest in fossils of the Oolite and the strata above it; whilst the Whitby Museum contains, along with a good collection of Oolite and Cretaceous fossils, a very full and valuable collection of the Lias fossils of the district, including several large fossil saurians, especially the almost unique Teliosaurus or Crocodile, discovered in the adjacent cliff in 1824. This kind of statement may not be overlooked, as shewing in a marked degree, that the Society and its supporters are carrying out the object for which the Institution was established.

The Lecture-room hitherto used by the Society proving inconveniently small on several occasions, the Committee of the Subscription Library have

been applied to for the use of their Reading-room, which has been conditionally granted.

There have been three Lectures delivered during the past year, viz., by

Charles Bagnall, Esq., M.P., on "Iron."

Dr. Brown, on "The Dessication of South Africa; its Cause and Cure.

Mr Martin Simpson, on "Taste."

Admission money to the Museum since October last, £8.

RULES AND REGULATIONS.

—o—

1.—The Society shall be called the WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a Museum, and for promoting the interests of Science by such other means as may be found practicable.

2.—All Subscribers of *One Guinea*, and upwards, on admission, and *Half-a-Guinea* annually, may be Members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual Subscription, shall be Governors of this Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with the Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet on the first Thursday of every month, or as often as necessary, three Members forming a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October in each year, for electing a new Committee, receiving the Report of the retiring Committee, auditing the Accounts of the Treasurer, and transacting any other business. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, with other miscellaneous

articles, whether of nature or art; to which may be added Scientific Books and Philosophical Apparatus.

8.—The Museum shall be open for the inspection of Members, Subscribers, and their families, on such days of the week, and under such regulations as the Council shall appoint. On special occasions the Curators or the Secretaries may admit Members, Benefactors, or Strangers, on those days when it is usually shut.

9.—All new Members shall be admitted by ballot at a General Meeting of the Society on such terms as that meeting shall appoint; but the Council may, at any of its Meetings, admit to the benefits of the Institution, Subscribers paying *Twelve Shillings* yearly, in advance. Such Subscribers shall have no share in the property of the Society, nor vote at its Meetings, nor hold office in it; but they shall have the privilege of introducing Strangers and Members of their own family to the Museum, and of attending Lectures, on the same terms as Members of the Society.

10.—Gentlemen who have rendered important services to the Society may be elected Honorary Members, but such Honorary Members, unless Subscribers, shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum may be open to the public under such restrictions as the Council may deem necessary.

12.—Every Member shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide by ballot whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all Assignees of a Life Governor shall continue to pay the annual Subscription of *Half-a-Guinea* or *Five Guineas* in lieu of Subscription.

13.—The Annual Subscription shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglects to pay his Subscription before the Annual Meeting, he shall be excluded from the benefits of the Institution until all arrears due on his share be paid up; and if any Member neglect paying his Subscription for two years, he shall, after due notice given him by the Secretary to that effect, be excluded from the Society, and forfeit all right and interest in the Property of the Institution.

14.—If any Member, or any one introduced by him, shall cause any damage to the Property of the Society, such Member shall make good the loss or damage so sustained.

15.—Any Member who is guilty of improper conduct towards the Society, or persists in any breach of its laws, may be expelled, after means have been used by the Council without effect for bringing him to order; but such expulsion shall not take place without giving him a month's notice, nor without the concurrence of three-fourths of the Members present at a Meeting of the Society held for that purpose.

16.—Every Member on his admission, shall sign an obligation binding himself to conform to the Laws and Regulations of the Society so long as he continues a Member.

17.—These Laws may be amended or enlarged at any General or Special Meeting of the Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the meeting.

18.—Members can borrow or take away from the Museum, books belonging to the Society, by permission, and under Regulations sanctioned by the Council.

RULES FOR ADMISSION TO THE MUSEUM.

Adapted by the Council and Confirmed by a General Meeting.

1.—The Museum shall be open every week-day by application at the Baths.

2—Any Member or Subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All persons not so introduced, not being Honorary Members, Benefactors, or belonging to the Household of Members or Subscribers, shall pay *Sixpence* each for admission ; Children and Servants shall be admitted at half-price.

3—The names and abodes of all visitors, with the names of the Members introducing them, shall be entered in a book for that purpose.

4.—No person shall be permitted to handle the specimens, or take a stick or umbrella into the Museum, or anything likely to occasion damage.

5.—The Museum shall be open to the Public on the first Monday in each month, from 11 to 1, under the following restrictions:—

6.—The Admission shall be by Ticket given by Members or Subscribers.

7.—Children under 14 years shall not be admitted unless under the care of an adult.

8.—All who thus visit the Museum are expected to conduct themselves in an orderly manner.

OFFICERS FOR THE YEAR 1868.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

Vice-Presidents.

Rev. J. B. BRODRICK, A.M. | C. RICHARDSON, Esq., St Hilda's.

Treasurer.

CHRISTOPHER RICHARDSON, Esq., St Hilda's.

Council.

CHIESMAM, Mr. W. G.
DOWSON, Dr.
BAGNALL, C. Esq.
OWEN, Rev. J.
PANNETT, R. E., Esq.
RIGG, J. J., Esq.
STONEHOUSE, Mr. W.
WILSON, Dr.

Governors by Subscriptions.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE LORD FEVERSHAM.

BARRICK, H., Esq.
CHAPMAN, J. B., Esq.
CHAPMAN, E. H., Esq.
CHAPMAN, T., Esq.
CHAPMAN, E. W., Esq.
CHAPMAN, W. R., Esq.
CRAVEN, Mr. RICHARD
HUNTON, R. M., Esq.
NOEL, E. F., Esq.
RICHARDSON, C., Esq., St. Hilda's
STRICKLAND, C. W., Esq.
SIMPSON, Mr. MARTIN
SMALES, Rev. GIDEON
YEOMAN, H. W., Esq.

Secretaries.

TAYLERSON, Dr. | ROBINSON, Mr. F. K.

Curators.

CLARKSON, W. N., Esq. | SIMPSON, Mr. MARTIN

MEMBERS OF THE SOIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY.
THE RIGHT HONOURABLE LORD FEVERSHAM.

Atkinson, A. O., Esq., A.M.
Anderson, Mr. Francis
Barrick, H., Esq. (West Side)
Bagnall, C., Esq., M.P.
Belcher, Thomas W., Esq.
Brodrick, Rev. J. B., A.M.
Chapman, T., Esq., F.R.S., &c
Chapman, Edward Henry, Esq
Chapman, Edward W., Esq.
Chapman, Joseph B., Esq.
Chapman, W. R., Esq.
Cholmley, Mrs.
Clarkson, W. N., Esq.
Corner, Mr. John
Craven, Mr. Richard
Chiesman, Mr. W. G.
Dotchon, Mr. William
Dowson, John, Esq., M.D.
Frankland, Mrs.
Glover, Rev. John
Horne, Mr. Ralph
Hewson, Rev. William, A.M.
Hughes, Rev. Joseph, A.M.
Hunton, Mrs.
Huntrods, Thomas, Esq.
Keane, Rev. William, M.A.
Lockey, Mr. W. G.
Marshall, Mr. B.
Mead, E. Preston, Esq., M.D.
Merryweather, G., Esq., M.D.
Nicholson, Mr. J. B.
Newton, Mr. William
Owen Rev. John
Pannett, R. E. Esq.
Peirson, George, Esq.
Percival, Thomas, Esq.
Richardson, C., Esq., S. Hilda's
Richardson, J. B., Esq.
Richardson, Thomas, Esq.
Readman, Mr. T. H.
Rigg, John J., Esq.
Reed, Mr. Silvester
Robinson, Mr. F. K.
Sherwood, E. Esq., M.D.
Simpson, Mr. Martin
Smales, Gideon, Esq.
Smales, Rev. Gideon
Stephenson, Thomas, Esq.
Strickland, C. W., Esq.
Snowdon, Mr. Matthew
Stevenson, Mr. John
Stonehouse, Mr. William
Taylerson, J., Esq., L.R.C.P.
Trueman, Mr. Thomas H.
Turnbull, Thomas, Esq.
Usherwood, Wm., Esq., A.M.
Wilson, John, Esq., M.D.
Yeoman, H. W., Esq.
Yeoman, John, Esq., M.D.
Yorke, Mr. Algernon

ANNUAL SUBSCRIBERS.

Buchannan, John, Esq. | Barker, Joseph, Esq.

HONORARY MEMBERS.

—:—

Agassiz, Professor Lewis, M.D.....*Neufchatel.*
Acheson, Rev. Henry, B.A., F.C.P.C. .....*London.*
Barlow, Rev. R. J. ..... *Hutton Rugby.*
Cockburn, Edwin, Esq. .....*London.*
Dikes, W. H., Esq., F.L.S. ..... *Wakefield.*
Fryer, William, Esq. ..... *Newcastle.*
Leckenby, J., Esq. ..... *Scarborough.*
Lee, John Edward, Esq. ..... *Hull.*
Moorsom, Major Constantine ..... *Birmingham.*
Murchison, Sir R. I., F.R.S., F.G.S., &c. ...*London.*
Philips, John, Esq., F.G.S., &c. ..... *Oxford.*
Robertson, Mr, W. ..... *Newcastle.*
Sedgwick, Rev. A., D.D., F.R.S. .....*Cambridge.*
Stobbs, Rev. W.....*Stromness.*
Strickland, Arthur, Esq. ..... *Bridlington Quay.*
West, W. J., Esq. .....*Tunbridge.*
Williamson, Mr. J. ..... *Scarborough.*
Williamson, Thomas W., Esq. ..... *Beverley.*

DONATIONS.

J. R. Appleton, Esq.—His Poem on "Cleveland."

C. Bagnall, Esq., M.P.—Dud Dudley's book on "Iron."

Mr. Edward Barker.—A large Bamboo.

Mr. Isaac Bate.—A 50 cent Italian silver coin of Victor Emanuel. Two ditto of 1863. Indian coin, two annas, of Queen Victoria. A half-franc of Napoleon I, 1808. United States half-dime, 1842. Two Russian coins; 20 kopecs, 1863; 15 kopecs, 1861. Oscar, Sweden, 1851. All silver. Silver penny of Edward III.

Mrs. Boanas.—Humming-bird Moth.

Rev. J. B. Brodrick.—Hastings token. Belgian coin.

Mr. T. Brodrick.—A fossil tooth.

Thomas Chapman, Esq., F.R.S., &c.—Six numbers of the Proceedings of the Society of Antiquaries. Lord Stanhope's Address, and list of members. A copy of the Will of Katherine Duchess of Buckingham and Normanby, dated 15th February, 1742, with the Codicil attached.

Mrs. G. Clark.—Esparta grass. Antique Tortoise-shell watch case, beautifully chased.

Rev. T. F. Cook.—His work on the Telegraph.

Royal Society of Edinburgh.—Their Proceedings from 1866 to 1867.

Captain Foster.—Two Japanese brass coins, one a long oval, and both pierced in the centre like Chinese string money.

Mr. H. Hayes.—A model of the late Mr. George Chapman's proposed improvements of the Whitby old Bridge.

Hull Literary and Philosophical Society.—Their Report for 1867-1868.

Mr. Lister.—The Meadow Vole, and a collection of Butterflies and Moths.

Messrs. W. H. & T. Marwood.—Two Kangaroos.

J. J. Rigg, Esq.—Fossil plant from the sandstone of Sleights brow.

Mr. T. B. Rose, London.—Three specimens of volcanic products of the last eruption of Vesuvius, collected by his son, Mr. T. M. Rose.

Mr. Sayner.—A Puffin.

Mr. Sewell.—A Fish—the Gemmous Dragonette.

Mr. Martin Simpson.—Ammonites fimbriates from the Jet rock; and above 100 other specimens for illustrating the different beds of Lias near Whitby.

Mr. W. Smith.—A large Dragon-fly.

Miss Smith.—A Humming-bird Moth.

Captain White, Hawsker.—Parasites taken from a Sun Fish.

BRIT. MUS
15 JUN 29
NAT. HIST.

THE TREASURER IN ACCOUNT WITH THE LITERARY AND PHILOSOPHICAL SOCIETY.

1867.	Dr.	£	s	d
Nov.	To Subscriptions	29	9	0
„ 22	„ Half-year's Library Rent	11	5	0
	„ ditto Bath Rent	17	10	0
1868.				
May 6	„ ditto ditto	17	10	0
	„ ditto Library Rent	11	5	0
Sept.	„ Visitors	8	0	0
	„ Received for broken glass	0	7	6
	„ Catalogues sold	0	6	10
		£95	13	4

1867.	Cr.	£	s	d
Oct.	By Balance due to Treasurer	38	4	7
	„ Interest to 3st Dec., 1867	2	2	10
Nov. 16	„ Mr Varley, collecting subscriptions	1	2	0
27	„ Mr Martin Simpson	10	0	0
Dec. 27	„ Mr Smith, Baths	2	17	6
30	„ Mr Pannett, Insurance	0	15	0
1868				
Jan. 3	„ Mr Andrew, ditto	1	12	6
Feb. 6	„ Mr Robinson, small payments	1	8	7
	„ Mr Brown, glazier	2	17	0
	„ Mr Trueman	1	4	9
	„ Mr Nicholson	1	9	4
	„ Mr Reed	2	14	0
26	„ Mr Horne, Insurance	0	15	0
28	„ Mr Larkin	6	3	0
April 3	„ Mr Robinson, small payments	1	3	5
May 6	„ Mr Smith, Baths	2	3	6
Aug. 25	„ Mr Robinson, small payments	1	7	6
Sept. 6	„ Messrs. Agar	0	15	0
	„ Mr Kitchen	3	3	0
	„ P. O. Envelopes	0	2	3
	„ Messrs. Agar	0	2	3
Oct. 14	„ Balance due from Treasurer	13	9	10
		£95	13	4

Examined and approved. J. B. Brodrick, *Chairman.*

William Newton, Printer, Bookseller, Etc., Baxtergate, Whitby.

BRIT. MUS
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

47

BRITISH MUSEUM
NATURAL HISTORY

THE FORTY-SEVENTH REPORT

OF THE

WHITBY

Literary and Philosophical Society,

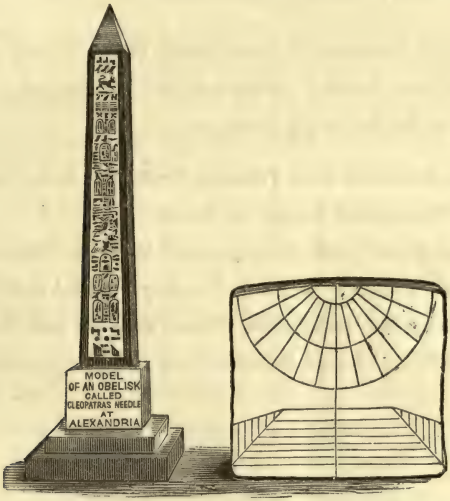
PRESENTED AT THE ANNUAL MEETING, 29TH OCTOBER, 1869,

WITH THE

Laws and Regulations of the Society,

AND A

LIST OF THE OFFICERS AND MEMBERS.



CLEOPATRA'S NEEDLE & THE GREEK-EGYPTIAN DIAL WITH STEPS.
The DIAL was presented to the BRITISH MUSEUM by J. SCOTT TUCKER, Esq., who found it at the base of the Obelisk called CLEOPATRA'S NEEDLE, at Alexandria, 1852.
[This engraving forms the frontispiece to the Rev. WM. HEWSON'S forthcoming work on the *Greek-Egyptian Sun-Dial with Seven Steps*, and is kindly lent by the Author.]

WHITBY:
PRINTED BY HORNE AND SON, *GAZETTE* OFFICE,
1869.

BRITISH MUSEUM
NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

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to be paid out of such part of my personal Estate as I may legally charge therewith (here enumerate effects or property intended to be bequeathed.) And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

REPORT.

IN reviewing the affairs of the Institution for the last year, the Council have to record a continuance of that prosperity, which, from time to time, has marked its course; or, as a member lately observed, "the Society has well maintained its position, and its progress though not rapid, has been steady and encouraging." On the present occasion we are glad to announce, that the Council are now able to direct their attention to the enlargement of the Museum building, a step long desired and urgently needed. For want of room, specimens and objects of interest that ought to be conspicuous, are partly hid; while other articles, especially books, scores of which are locally curious, cannot obtain a place and are packed out of sight. It is confidently hoped, however, that the matter having been taken into consideration at the last meeting, a plan will be adopted in a short time for giving more space to the collection; while we may notice, that the proposals of our Curator, Mr. SIMPSON on the subject, accord upon the whole, with the suggestions of those who may be appointed to carry out the work.

The Museum continues to be eminently attractive, many of its visitors, as in preceding years, being those of position in science and literature. The value of the Society is well seen in its connexion with similar institutions, and to make this observation more apparent,

it would not be difficult to enlarge on the aid in numbers of instances, which our geological stores in particular, have afforded both to individuals and societies devoted to kindred pursuits in other places; for in looking back among previous Reports we find mentioned the visits of such men as AGASSIZ and BUCKLAND for the purpose of obtaining a loan in the department of our fossil fishes, and applying them by engraving and description to illustrate their work on such objects, which is known to have a national reputation. It would be easy in this way to multiply cases, but we may not omit to notice the late loan by request of our fossil "Zamia Gigas," to the British Museum, as a rare example pertaining to fossil botany, a subject upon which certain heads of that Institution were engaged. Of these treasures, as the yield of this vicinity, how desirable to have an extended Synopsis when the present list may have to be reprinted. Specimens of rare manifestation are apparent enough to the professional visitor, but are not so to the numbers, and without a compendium of leading contents, many a valuable item is as liable to be overlooked, as though it had never been deposited.

A noteworthy addition has lately been made to our natural history selection, by the purchase of an Opal, or King-fish, a species which YARREL observes, is as beautiful as it is rare, being a native of the Western shores of Africa. Taken on the rocks about six miles north of Whitby, its body is an oval above three feet long, the back and sides of a green color, passing downwards into a hue of purple and yellow, with a sprinkling of yellowish white spots; the fins being vermilion, and the eye-circles scarlet. Of the few that

have strayed to this country, one was captured at Bridlington in 1838, and there is one, it is stated, in the British Museum.

Since the publication of the last Report, we have to regret the loss by death of W. N. CLARKSON, Esq., Surgeon, one of our curators. With a share of geological knowledge, he was well versed in numismatic pursuits, and possessed a costly collection of coins of various periods, pertaining chiefly to our national or British currency. For many years he assisted in aiding the objects of this Society. Mr. ALGERNON YORKE has kindly agreed to fill the position which Mr. CLARKSON held among us.

A. W. ENGLISH, Esq., of Aislaby, is added this year to the list of members.

Since last October, in connection with the Institution, two Lectures have been delivered,—one by Mr. MARTIN SIMPSON, on "Natural History;" the other by Dr. BRACKEBUSCH, on "The Origin of Coal."

On an appointed evening previous to the summer months, much to the gratification of a large assemblage, an Exhibition with Microscopes took place in the Library-room. There were eight first-class instruments of various types, with objects selected from the departments of entomology, botany, mineralogy, minute mineral conchology, &c. The exhibitors and owners of the microscopes were GEO. READE, Esq., Mr. WM. HAIGH, Mr. EDWIN TURNBULL, Mrs. GEO. CLARKE, Mr. W. STONEHOUSE, and Mr. T. B. BRIDGES.

The amount received for admission to the Museum, for the last twelve months, is £7. The list of donations will be found on a further page.

RULES & REGULATIONS.

1.—The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a Museum, and for promoting the interests of Science by such other means as may be found practicable.

2.—All Subscribers of ONE GUINEA, and upwards, on admission, and HALF-A-GUINEA annually, may be members of the Society; and Subscribers of FIVE GUINEAS on admission, and HALF-A-GUINEA annually, or of TEN GUINEAS at one time, without any annual Subscription, shall be Governors of this Society.

2.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with the Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet on the first Thursday of every month, or as often as necessary, three Members forming a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October in each year, for electing a new Committee, receiving the Report of the retiring Committee, Auditing the Accounts of the Treasurer, and transacting any other business. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, and other miscellaneous articles, whether of nature or art; to which may be added Scientific Books, and Philosophical Apparatus.

8.—The Museum shall be open for the inspection of Members, Subscribers, and their families, on such days of the week, and under such regulations as the Council shall appoint. On special occassions the Curators, or the Secretaries, may admit Members, Benefactors, or Strangers, on those days when it is usually shut.

9.—All new Members shall be admitted by ballot at a General Meeting of the Society on such terms as that meeting shall appoint; but the Council may, at any of its meetings, admit to the benefits of the Institution, Subscribers paying TWELVE SHILLINGS yearly in advance, Such Subscribers shall have no share in the property of the Society, nor vote at its meetings, nor hold office in it; but they shall have the privilege of introducing Strangers and Members of their own family to the Museum, and of attending Lectures, on the same terms as Members of the Society.

10.—Gentlemen who have rendered important services to the Society, may be elected Honorary Members, but such Honorary Members, unless Subscribers, shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum may be open to the public under such restrictions as the Council may deem necessary.

12.—Every Member shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide by ballot whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all Assignees of a Life Governor shall continue to pay the annual Subscription of HALF-A-GUINEA or FIVE GUINEAS in lieu of Subscription.

13.—The Annual Subscription shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglects to pay his Subscription before the Annual Meeting, he shall be excluded from the benefits of the Institution until all arrears due on his share be paid up; and if any Member neglect paying his subscription for two years, he shall, after due notice given him by the Secretary to that effect, be excluded from the Society, and forfeit all right and interest in the Property of the Institution.

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Adopted by the Council, and Confirmed by a General Meeting.

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8.—All who thus visit the Museum are expected to conduct themselves in an orderly manner.

OFFICERS FOR THE YEAR 1869.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

Vice-Presidents.

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C. RICHARDSON, Esq., St. Hilda's.

Treasurer.

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

Council.

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DOWSON, Dr.
BAGNALL, C., Esq.
OWEN, Rev. J.
PANNETT, R. E., Esq.
RIGG, J. J., Esq.
STONEHOUSE, Mr. W.
WILSON, Dr.

Governors by Subscription.

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THE RIGHT HONORABLE LORD FEVERSHAM.

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CHAPMAN, J. B., Esq.
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CHAPMAN, E. W., Esq.
CHAPMAN, W. R., Esq.
CRAVEN, Mr. RICHARD
HUNTON, R. M., Esq.
NOEL, E. F., Esq.
RICHARDSON, C., Esq., St. Hilda's.
STRICKLAND, C. W., Esq.
SIMPSON, Mr. MARTIN
SMALES, Rev. GIDEON
YEOMAN, H. W., Esq.

Secretaries.

TAYLERSON, Dr.
ROBINSON, Mr. F. K.

Curators.

YORKE, Mr. ALGERNON
SIMPSON, Mr. MARTIN

MEMBERS OF THE SOCIETY.

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THE RIGHT HONOURABLE LORD FEVERSHAM.

Atkinson, A. O., Esq., A.M.
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Barrick, H., Esq. (West Side).
Bagnall, C., Esq.
Belcher, Thomas W., Esq.
Brodrick, Rev. J. B., A.M.
Chapman, T., Esq., F.R.S., &c.
Chapman, Edward W., Esq.
Chapman, Joseph B., Esq.
Chapman, W. R., Esq.
Cholmley, Mrs.
Corner, Mr. John
Craven, Mr. Richard
Dotchon, Mr. William
Dowson, John, Esq., M.D.
Frankland, Mrs.
Glover, Rev. John
Horne, Mr. Ralph
Hewson, Rev. William, A.M.
Hughes, Rev. Joseph, A.M.
Hunton, Mrs.
Huntrods, Thomas, Esq.
Keane, Rev. William, M.A.
Lockey, Mr. W. G.
Marshall, Mr. B.
Mead, E. Preston, Esq., M.D.
Merryweather, G., Esq., M.D.
Nicholson, Mr. J. B.
Newton, Mr. William
Owen, Rev. John
Pannett, R. E., Esq.
Percival, Thomas, Esq.
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Richardson, J. B., Esq.
Richardson, Thomas, Esq.
Readman, Mr. T. H.
Rigg, John J., Esq.
Reed, Mr. Silvester
Robinson, Mr. F. K.
Sherwood, E., Esq., M.D.
Simpson, Mr. Martin
Smales, Gideon, Esq.
Smales, Rev. Gideon
Stephenson, Thomas, Esq.
Strickland, C. W., Esq.
Snowdon, Mr. Matthew
Stevenson, Mr. John
Stonehouse, Mr. William
Taylerson, J., Esq., L.R.C.P.
Trueman, Mr. Thomas H.
Turnbull, Thomas, Esq.
Usherwood, Wm., Esq., A.M.
Wilson, John, Esq., M.D.
Yeoman, H. W., Esq.
Yeoman, John, Esq., M.D.
Yorke, Mr. Algernon

ANNUAL SUBSCRIBERS.

BUCHANNNAN, JOHN, Esq. | BARKER, JOSEPH, Esq.

HONORARY MEMBERS.

AGASSIZ, Professor Lewis, M.D. ..... *Neufchatel.*
ACHESON, Rev. Henry, B.A., F.C.P.C. ..... *London.*
BARLOW, Rev. R. J. ..... *Hutton Rugby.*
COCKBURN, Edwin, Esq. ..... *London.*
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FRYER, William, Esq. ..... *Newcastle.*
LECKENBY, J. Esq. ..... *Scarborough.*
LEE, John Edward, Esq. ..... *Hull.*
MURCHISON, Sir R. I., F.R.S., F.G.S., &c. ..... *London.*
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WEST, W. J., Esq. ..... *Tunbridge.*
WILLIAMSON, Mr. J. ..... *Scarborough.*
WILLIAMSON, Thomas W., Esq. ..... *Beverley.*

DONATIONS.

J. R. Appleton, Esq., Durham.—His poetical publications on Cleveland, and nine parts of Tweddel's *Bards & Authors.* Eccles's *Yorkshire Songs.*

Rev. J. B. Brodrick, A.M.—A 5-cent. piece; a paper by Mr. Carruthers, on a new Cycadian plant.

Thos. Chapman, Esq., F.R.S., F.S.A.—The 41st vol. of the *Archæologia,* and the last seven numbers of the Proceedings of the Society of Antiquaries. Also, Lord Stanhope's Address.

The Commissioners of Patents.—44 vols., being a Selection of their publications, with a Descriptive Index.

Mr. Cooke, of the Royal Circus.—A fine fawn.

Mr. W. Dotchon.—Specimen of rough jet.

Mr. G. Hall.—Old English small silver coin, found on Whitby sands; probably a Henry.

Hull Royal Institution.—Their Report.

Mrs. Kitching.—A dormouse.

Mr. W. Lister, jun., Glazedale.—54 specimens of the moths and butterflies of the neighbourhood.

Mr. B. Marshall.—Specimen of the *Belemnites limatulus,* from the upper lias.

Rev. C. Middleton.—Boulder from the West Cliff, supposed to exhibit glacial action.

Mr. E. Noble.—Three specimens of Spanish jet.

J. J. Rigg, Esq.—Fossil plant from Bolton's Quarry, Sleights Moor.

Mr. M. Simpson.—53 specimens of lias fossils. Also, his "Rainfall at Whitby," for 1868.

The late J. B. Smales, Esq., M.A.—The Pyrenean Desman *(Myogala pyrenaica).*

Smithsonian Institution, America.—Their Report.

Mr. E. Turnbull. — Medal of the Bust of Lord Palmerston.

Mr. T. Turner.—Specimen of mixed jet and wood.

Capt. White, Hawsker.—Three tortoise eggs; two copper coins.

Mr. Morley Woodhouse.—Abyssinian manuscript, on a narrow parchment roll, adorned with coloured grotesque figures; from the palace of King Theodore.

BRIT. MUS.
15 JUN 29
NAT. HIST.

THE TREASURER IN ACCOUNT WITH THE LITERARY AND PHILOSOPHICAL SOCIETY.

1868.	Dr.	£	s.	d.
	Balance forward, November 5th	13	9	10
Nov. 6th,	C. W. Strickland, Esq., as life governor,	10	10	0
,,	Half-year's Library Rent.....	11	5	0
,, 23rd,	Half-year's Bath Rent	17	10	0
,, 24th,	Subscriptions for the year	28	10	0
1869.				
Apr. 12th,	Half-year's Library Rent.....	11	5	0
May 13th,	Half-year's Bath Rent	17	10	0
Oct. 14th,	Half-year's Library Rent.....	11	5	0
,,	Visitors, for admission.....	7	3	0
,,	Sale of Catalogues.....	0	8	6
		£128	16	4
1869.				
Oct. 20th,	To Balance	90	10	5

1868.	Cr.	£	s.	d.
Nov. 24th,	Mr. Varley, collecting subscriptions	1	2	0
Dec. 1st,	Mr. Martin Simpson	10	0	0
,, 8th,	Mr. Smith's bill	2	7	0
1869.				
Jan. 4th,	Phœnix Insurance	2	7	6
,, 7th.	Atlas Insurance	0	15	0
Feb. 4th,	Mr. Newton, printer	4	10	6
,,	Mr. Bedlington, joiner	1	16	10
,,	Mr. Brown, glazier.....	1	4	3
,, 13th,	Mr. Overend, slater	0	15	6
,, 16th,	Mr. Taylerson, mason	6	13	0
,, 18th,	Mr. F. K. Robinson, sundry outlays...	1	13	11
May 13th,	Mr. Smith's bill	1	17	0
	Specimens in Natural History, and Carriage,	3	3	5
Oct. 20th,	By Balance	90	10	5
		£128	16	4

Examined and approved. *J. B. BRODRICK, Chairman.*

Horne and Son, Printers and Booksellers, *Gazette* Office, Bridge Street, Whitby.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
MATHS.

46

BRITISH MUSEUM
NATURAL HISTORY

THE FORTY-EIGHTH REPORT

OF THE

WHITBY

Literary and Philosophical Society,

PRESENTED AT THE ANNUAL MEETING, 29TH OCTOBER, 1870,

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

AND A

LIST OF THE OFFICERS AND MEMBERS.

WHITBY:
PRINTED BY LOCKEY & CLARK, *TIMES* OFFICE, BAXTERGATE
1870.

BRITISH MUSEUM
NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following Form :—

"*I give and bequeath to the Trustees, for the time being, of the Whitby Literary and Philosophical Society, the Sum of*
to be paid out of such part of my personal Estate as I may legally charge therewith (here enumerate effects or property intended to be bequeathed.) And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

REPORT.

In the Society's Report for 1869, it was intimated that the Council were about to direct their attention to the acquirement of more space for the Museum Collection, as a step long felt to be needed. Accordingly, during the present year 1870, the forty-eighth year of the Society's existence, this measure of extension has, in part, been carried out, by raising the wing on the south side of the Bath building so as to attach to the Museum an additional room 40 feet long from front to back, and upon an average 10 feet wide, with its amount of wall surface for the placing of upright glass cases and other fittings for the reception of specimens. The arrangements in the new part are nearly finished; while, as a further advantage, the alterations have given another chamber to the apartments in this quarter, occupied by the tenant of the Baths. To complete the plan, the north wing will now require to be raised equal with the south, both for the sake of external uniformity, and for gaining the full space and convenience proposed at the outset.

An increase in the Society's rooms naturally points to a state of prosperity; and in this respect we have nothing of a contrary nature to imply. Gifts to the Museum in its various departments continue to be

made; and here, to the donors for the past year, the thanks of the Council are presented. To its objects in Natural History there has just been purchased a "Ribbon Fish," although the collection already has one of the kind; but the fish now taken is somewhat longer, and more perfect than the former in certain of its parts. On these grounds, as well as on the score of rarity, it was thought desirable to secure the recent specimen; the books on fishes naming not more than three or four of the Ribbon tribe known to have been captured on our coasts. This remarkable stranger, which naturalists place in the class "Tœnoidœ," a term connected with *Tenia*, a tape worm, on account of its flat and elongated form, is 10 feet 7 inches in length, 13 inches deep (for it has swum edge down), and 3 inches thick. Boneless, as belonging to the cartilaginous kind, both its sides are silvery, and, to the naked eye, without scales. A number of hair-like filaments spring out of the head with its protractile snout and small mouth, while a dorsal fin traverses the whole course of the body and unites with the fin of the tail.

Visits to the Society's Collection for note-worthy purposes have been mentioned on previous occasions; and lately in this way, A. W. Franks, Esq., at the head of the Ethnological and Mediæval department of the British Museum, has, by permission, taken rubbings from our Roman inscriptions; among which the Ravenhill stone found in this neighbourhood, and engraved in the Histories of Whitby, stands con-

spicuous. These impressions, it was stated, were for transmission to Berlin, with others of the kind, to be published along with the principal Roman inscriptions of Europe, under the patronage of the King of Prussia; thus again proving the advantage of local museums, where matters of interest pertaining to districts, are treasured for reference and inspection; and without such repositories, might be destroyed or dispersed.

A look through the name-lists in past yearly reports, reminds us of the many of our members whom death has removed. We have now to regret the loss of the Rev. W. Hewson, A.M., known for his erudition in matters connected with ancient chronological computations.

The lectures delivered to the Society since last October were the following:—"On the early British Constitution," Mr. Martin Simpson; "The Physical Geography of Palestine as connected with its Polity," H. Hallgate, Esq.; "Railways," Rev. J. Owen; "On the Orcades," Rev. G. Robertson, A.M.; "Hygiene, as more particularly applied to Whitby," A. W. English, Esq., M.R.C.S.

In November last we were again favoured by an exhibition with microscopes, from the parties who kindly interested themselves in the same kind of proceedings stated in the Report for 1869.

The amount received for admission to the Museum for the past year is £8. The donations are specified on a further page.

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OFFICERS FOR THE YEAR 1879.

PATRON.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

PRESIDENT.

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C. RICHARDSON, Esq., St. Hilda's.

TREASURER.

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

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OWEN, Rev. J.
PANNETT, R. E., Esq.
RIGG, J. J., Esq.
STONEHOUSE, Mr. W.
WILSON, Dr.
TURNBULL, THOS., Esq.

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THE RIGHT HONORABLE LORD FEVERSHAM.

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CHAPMAN, J. B., Esq.
CHAPMAN, T., Esq.
CHAPMAN, E. W., Esq.
CHAPMAN, W. R. Esq.
CRAVEN, Mr. RICHARD
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ROBINSON, Mr. F. K.

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West, W. J., Esq. ..... *Tunbridge.*
Williamson, Mr. J. ..... *Scarborough.*
Williamson, Thomas W., Esq. ..... *Beverley.*

DONATIONS

Presented to the Museum since the last Report.

Rev. J. C. ATKINSON, Danby.—His Pamphlet, "On the Danish Element in the Population of Cleveland, Yorkshire."

J. R. APPLETON, Esq., Durham.—Gordon's Watering Places. Part 10 of Tweddell's Bards and Authors.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.—Proceedings of the London Antiquarian Society from June to December, 1869; List of the Members, 1870; Address of the Right Hon. Earl of Stanhope, President of the Society, delivered at their Anniversary meeting, 1870.

JOHN CORNER, Esq.—A drawing of the proposed Monument to Capt. Cook, designed by Banks, the sculptor.

Mr. M. COVERDALE, Hartlepool.—A violin stated to be above 200 years old.

Mr. W. DOTCHON.—Specimen of Jet with Serpulæ; 3 specimens of hard Jet.

Mr. MARK DIXON, Thorpe.—A Dormouse.

DEPUTY COMMISSIONERS OF THE REVENUE.—The Annual Report of the Smithsonian Society; several Monthly Statistical Reports.

Mr. GARBUTT, Cliff Street.—A specimen of hard Jet.

HULL LITERARY AND PHILOSOPHICAL SOCIETY.—Their last Report.

The Late GEORGE AUGUSTUS PETERS, Esq., by will.—Large Marble Vase, surrounded with Subjects in Sculpture, stated to have been obtained from Herculaneum; also an inscribed Engraving of this beautiful object framed and glazed.

Mr. KITCHING.—An Aquatic Insect. Curious Specimen of Jet Rock.

ROYAL SOCIETY OF EDINBURGH.—Their Proceedings for Session 1868-9.

Mr. MARTIN SIMPSON.—Eight Reports of the West Riding Geological and Polytechnic Society.

Mr. JOHN STRATFORD.—Fine Specimen of Copper Ore from Pomeron, near Cadiz.

SWEDISH CONSUL, London.—From the Universite Royal de Norvege a Christiana; Sars's Work on the Living Crinoidea; Monrad's History of Philosophy; and three other works.

Mr. J. TAYLOR.—Manuscript Sermon by the Late Rev. F. S. Pope, preached at Whitby, on the death of Dr. Bateman.

Mr. G. M. TWEDDELL, Stokesley.—The Works of Emmerson, the Mathematician, in 4 vols.

Professor WILLIAMSON.—His paper on the "Zamia Gigas," from the Linnæan Transactions.—The Professor remarks that the rich Geological district which he had visited, known as the Yorkshire coast, has not furnished a more interesting subject for investigation than the *Zamia Gigas*, the frond of the plant being first figured in Young & Bird's Geological Survey. He then speaks of having formerly examined specimens of this fossil in the collections of the Yorkshire Philosophical Society, of the late Dr. Murray and Mr. Beane, of Scarborough, and of Mr. Ripley, of Whitby, along with "two invaluable specimens" belonging to the Whitby Philosophical Society; "the Council of which Society," he adds, "not only allowed me the use of them, but with praiseworthy liberality, permitted me to exercise my chisel upon them for the purpose of making out some obscure points in their structure; a permission which led to important results." The plates accompanying this valuable paper, not only exhibit the plant entire, with its straight imbricated stem and bushy head, like a diminutive palm tree, but sections also of the several parts under certain conditions of their growth.

Dr. WOOD.—3 Specimens of the New Zealand Vegetable Caterpillar. Tipo, or Maori Devil.

WEST RIDING GEOLOGICAL AND POLYTECHNIC SOCIETY, through Rev. C. MIDDLETON.—18 Numbers of their Proceedings.

BRIT. MUS. 15 JUN 29 NAT. HIST.

The Literary and Philosophical Society in Account with the Treasurer.

Dr.

1869.		£	s.	d.
	To Balance	90	10	5
Nov. 23.	,, Bath Rent	17	10	0
,, 27.	,, Subscriptions	21	3	0
Dec. 10.	,, Ditto	2	2	0
1870.				
Mar. 14.	,, Mr. Dotchon's Member's Fee	1	1	0
,,	,, Mr. Bryant's ditto	1	1	0
April 6.	,, Half-year's Library Rent	11	5	0
,, 13.	,, Subscription	1	1	0
May 30.	,, Half-year's Bath Rent	17	10	0
Oct. 6.	,, Ditto Library Rent	11	5	0
,,	,, Interest 31st December, 1869	1	14	0
	,, Admittance of Visitors, &c. £ 8 s. 4 d. 6; Less expended by Mr. M. Simpson £ 3 s. 4 d. 6	5	0	0
		£181	2	5

Cr.

1869.		£	s.	d.
Nov. 18.	By Mr. M. Simpson	10	0	0
,, 23.	,, Mr. Smith (Baths)	1	13	6
,, 27.	,, Mr. Varley, collecting subscriptions	1	2	0
1870.				
Feb. 3.	,, Mr. Horne, printing	3	11	0
,,	,, Sundry Outlays by Mr. F. K. Robinson	2	12	0
,,	,, Mr. Brown, glazier	2	17	5
,, 8.	,, Phœnix Insurance	1	5	0
May 30.	,, Mr. Smith's taxes, &c.	4	6	6
June 3.	,, Mr. Robinson, builder	100	0	0
Oct. 4.	,, Messrs. Walker & Hall, for Ribbon Fish £ 1 s. 10; ,, Tray £ 0 s. 5	1	15	0
		£129	2	5

Signed,

J. B. BRODRICK, Chairman.

LOCKEY & CLARK, PRINTERS AND STATIONERS, "TIMES" OFFICE, BAXTERGATE, WHITBY.

BRIT. MUS.
15 JUN 29
NAT. HIST.

BRIT. MUS.
15 JUN 29
NAT. HIST.

ORAL HISTORY

THE FORTY-NINTH REPORT

OF THE

WHITBY

LITERARY & PHILOSOPHICAL SOCIETY,

PRESENTED AT THE ANNUAL MEETING, 27TH OCT., 1871,

WITH THE

LAWS & REGULATIONS OF THE SOCIETY,

AND A

LIST OF OFFICERS AND MEMBERS.

WHITBY:
SILVESTER REED, PRINTER, OLD MARKET PLACE, & WEST CLIFF.
1871.

BRITISH MUSEUM
NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following Form:—

"*I give and bequeath to the Trustees, for the time being, of the Whitby Literary and Philosophical Society, the Sum of*
to be paid out of such part of my personal Estate as I may legally charge therewith (here enumerate effects or property intended to be bequeathed). And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

REPORT.

In presenting the Forty-Ninth Report of the Whitby Literary and Philosophical Society, it will appear that the last year in particular has been a year of progress, the extension of the Museum, at both ends of the building, being carried out to completion. The addition of glass cases, which the enlargement demanded, are placed in the new parts; while the increased accommodation can be duly appreciated by contrasting the hitherto crowded state of the Collection with the spaces and fittings now at command. To many of the larger objects or specimens requiring more room, a better position will now be assigned—as to those in the ethnological section, for instance, with its figures mythological and otherwise, its showy examples of costumes, and its implements belonging to various tribes, which, on the whole, have hitherto lacked that advantage for due exposition. To form the Collection of a nature as local as possible is a right commendation; it being observed, that as the smaller museums are not

able to vie with the larger in a general sense, they should excel them in those matters of interest for which their respective neighbourhoods are quoted and famed. On this point, to the Whitby Collection of birds, eight new species have lately been added, including a fine specimen of the Glaucus Gull, as a comparative rarity, and one of the crested Cormorant; while several others of value have been put into order for placing in the new glass cases. Here the vigilance of Mr. Kitching is again to be commended; for next to our geological treasures, which must always command the chief attention, there is a marked interest manifested by strangers towards the ornithological portion, as one in which the feathered tribes frequenting our shores and neighbourhood have their representatives.

When the arrangements are made in the new parts of the building, a convenient quarter for the Museum collection of books, as mentioned on a former occasion, would be very desirable. They are both numerous and various, and of great local value for reference, on account of their publication, in the main, being connected with Whitby and its vicinity, and as such are like so many memorials attaching to the place in which we all feel an interest.

Two lectures have been delivered this last season:—"On the British Constitution," by Mr. Martin Simpson; and "The Channel Passage, and the proposals to improve it," by C. W. Merrifield, Esq., F.R.S.

We have now the pleasure of adding two new members to the list, Mr. Edwin Turnbull, and Mr. Thomas Miller.

The amount received for admission to the Museum for the past year is £7 7s. 6d.

RULES AND REGULATIONS.

1.—The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a Museum, and for promoting the interests of Science by such other means as may be found practicable.

2.—All Subscribers of *One Guinea*, and upwards, on admission, and *Half-a-Guinea* annually, may be Members of the Society; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual Subscription, shall be Governors of this Society.

3.—The business of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with the Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet on the first Thursday of every month, or as often as necessary, three Members forming a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October in each year, for electing a new Committee, receiveing the Report ef the retiring Committee, auditing the accounts of the Treasurer, and transacting any other business. Special Meetings may be called by the Council, or by any seven Members, a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, and other miscellaneous articles, whether of nature or art; to which may be added Scientific Books, and Philosophical Apparatus.

8.—The Museum shall be open for the inspection of Members, Subscribers, and their families, on such days of the week, and under such regulations as the Council shall appoint. On special occasions the Curators, or the Secretaries, may admit Members, Benefactors, or Strangers, on those days when it is usually shut.

9.—All new Members shall be admitted by ballot at a General Meeting of the Society on such terms as that meeting shall appoint; but the Council may, at any of its meetings, admit to the benefits of the Institution, Subscribers paying *Twelve Shillings* yearly in advance. Such Subscribers shall have no share in the property of the Society, nor vote at its meetings, nor hold office in it; but they shall have the privilege of introducing Strangers and Members of their own Family to the Museum, and of attending Lectures, on the same terms as Members of the Society.

10.—Gentlemen who have rendered important services to the Society, may be elected Honorary Members, but such Honorary Members, unless Subscribers, shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum may be open to the public under such restrictions as the Council may deem necessary.

12.—Every Member shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall, at his death, descend to his representative; but the Society shall decide by ballot whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all Assignees of a Life Governor shall continue to pay the annual Subscription of *Half-a-Guinea* or *Five Guineas* in lieu of Subscription.

13.—The Annual Subscription shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglects to pay his Subscription before the Annual Meeting, he shall be excluded from the benefits of the Institution until all arrears due on his share be paid up; and if any Member neglect paying his Subscription for two years, he shall, after due notice given him by the Secretary to that effect, be excluded from the Society, and forfeit all right and interest in the property of the Institution.

14.—If any Member, or any one introduced by him, shall cause any damage to the property of the Society, such Member shall make good the loss or damage so sustained.

15.—Any Member who is guilty of improper conduct towards the Society, or persists in any breach of its laws, may be expelled, after means have been used by the Council without effect for bringing him to order; but such expulsion shall not take place without giving him a month's notice, nor without the concurrence of three-fourths of the Members present at a Meeting of the Society held for that purpose.

16.—Every Member, on his admission, shall sign an obligation binding himself to conform to the Laws and Regulations of the Society so long as he continues a Member.

17.—These Laws may be amended or enlarged at any General or Special Meeting of the Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the meeting.

18.—Members can borrow or take away from the Museum books belonging to the Society, by permission, and under regulations sanctioned by the Council.

RULES FOR ADMISSION TO THE MUSEUM.

Adopted by the Council and Confirmed by a General Meeting.

1.—The Museum shall be open every week-day by application at the Baths.

2.—Any Member or Subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All persons not so introduced, not being Honorary Members, Benefactors, or belonging to the household of Members or Subscribers, shall pay *Sixpence* each for admission; Children and Servants shall be admitted at half-price.

3.—The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book for that purpose.

4.—No person shall be permitted to handle the specimens, or take a stick or umbrella into the Museum, or anything likely to occasion damage.

5.—The Museum shall be open to the public on the first Monday in each month, from 11 to 1, under the following restrictions:—

6.—The admission shall be by Ticket given by Members or Subscribers.

7.—Children under 14 years shall not be admitted unless under the care of an adult.

8.—All who thus visit the Museum are expected to conduct themselves in an orderly manner.

OFFICERS FOR THE YEAR 1871.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

Vice-Presidents.

Rev. J. B. BRODRICK, A.M.
C. RICHARDSON, Esq., St. Hilda's.

Treasurer.

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

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DOWSON, Dr.
OWEN, Rev. J.
PANNETT, R. E., Esq.
RIGG, J. J., Esq.
STONEHOUSE, Mr. W.
WILSON, Dr.
TURNBULL, THOS., Esq.

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CHAPMAN, T., Esq.
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HUNTON, R. M., Esq.
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SMALES, Rev. GIDEON
YEOMAN, W. H., Esq.

Secretaries.

TAYLERSON, Dr.
ROBINSON, Mr. F. K.

Curators.

YORKE, Mr. ALGERNON
SIMPSON, Mr. MARTIN

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Dotchon, Thomas, Esq.
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Frankland, Mrs.
Glover, Rev. John
Horne, Mr. Ralph
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Huntrods, Thomas, Esq.
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Yorke, Mr. Algernon

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BARKER, JOSEPH, Esq.

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Barlow, Rev. R. J.....*Hutton Rugby.*
Cockburn, Edwin, Esq.....*London.*
Dikes, W. H., Esq., F.L.S. .....*Wakefield.*
Fryer, William, Esq.....*Newcastle.*
Leckenby, J., Esq. .....*Scarborough.*
Lee, John Edward, Esq. .....*Hull.*
Murchison, Sir R. I., F.R.S., &c.....*London.*
Philips, John, Esq., F.G.S., &c. .....*Oxford.*
Robertson, Mr. W. .....*Newcastle.*
Sedgwick, Rev. A., D.D., F.R.S.....*Cambridge.*
West, W. J., Esq.....*Tunbridge.*
Williamson, Mr. J.....*Scarborough.*
Williamson, Thomas W., Esq. .....*Beverley.*

DONATIONS

PRESENTED TO THE MUSEUM SINCE THE LAST REPORT.

J. REED APPLETON, Esq.—Part XI. of Tweddell's Bards and Authors of Cleveland.

Rev. J. B. BRODRICK, A.M.—Introductory Address of the Winchester and Hampshire Scientific and Literary Society.

Mr. I. BATE.—Silver coin of Queen Mary. Quarter dollar, in gold, from California. A silver 50 cent piece of the French Republic.

THOMAS CHAPMAN, Esq., F.R.S., &c.—Four volumes of the Archæologia. Three numbers of the Proceedings of the Society of Antiquaries, with a list of members. Address of the President at the annual meeting. Mr. Parker's Lecture on the Ashmolean Museum.

Mrs. G. CLARK.—Female domestic Fowl in male plumage. Two Crinolines.

Mr. W. DOTCHON.—Five specimens of hard Jet. Sermon on the death of Dr. Scoresby, by the Rev. R. R. Wolfe, A.M.

W. H. GLADSTONE, Esq., M.P.—Seventeenth and Eighteenth Science and Art Reports. Education Report. Fourth Ritual Report.

HULL PHILOSOPHICAL SOCIETY.—Their last Report.

J. KERSHAW, Esq., Warwick.—Four specimens of Lingula venusta, Upper Lias, Whitby. Report of the Warwick Philosophical Society.

Mr. F. K. ROBINSON.—Print of White Cross, between Danby and Rosedale. Rev. D. H. Haigh's publication on the Coins of Alfred the Great, with Notes on Old English Coins. Runic Monuments of Northumbria, by the same author. Copy of a rubbing from St. Oswald's Bell, Lyth Church. Copy of the Greek Inscription on stone found at Sextos, (printed for private circulation.)

Mr. T. H. READMAN.—Etching of Thames Scenery, cut by the late celebrated George Chambers, a native of Whitby.

Mr. M. SIMPSON.—Paper of Rainguage Experiments at Hawsker, by Rev. F. W. Stow, A.M. Two specimens of Lingula venusta.

THOS. STEPHENSON, Esq.—Fine specimen of the Water Rail.

SMITHSONIAN INSTITUTION, U. S.—Their Report for 1869.

THOMAS TURNBULL, Esq.—Two Lances, with a Shovel and Knife, used in the Whale fishery. Vitrified Stone from the Fort at Knockfarrel, Ross-shire.

Dr. TAYLERSON.—Dalyell's Planariæ. Roman Pottery from Aldborough.

JAS. WILKINSON, Esq.—Copy of a Lecture by R. E. Brown, Esq., F.G.S., on the Cultivation of the Soil by Steam Power.

G. WADDINGTON, Esq.—Sample of fibrous Iron Ore or Hæmatite rom Lindal Moor Mines, Ulverston.

Capt. JOHN WALKER.—Skeleton of a Rat's Head.

Mr. THOS. WILSON.—Spotted Woodpecker, taken in the neighbourhood of Whitby.

W. USHERWOOD.—Skeleton of a Dog's Head.

The Treasurer in Account with the Whitby Literary and Philosophical Society.

1870.	DR.	£	s.	d.
Oct.	To Balance of last account	52	0	0
Nov. 21.	„ Bath Rent, half-year	17	10	0
„ 24.	„ Subscriptions	25	7	0
Dec. 31.	„ Interest allowed by Bankers	1	3	0
1871.				
Apl. 28.	„ Library Rent, half-year	11	5	0
June 16.	„ Bath Rent, ditto	17	10	0
Oct. 9.	„ Library Rent, ditto	11	5	0
	£ s. d.			
„ 17.	„ Visitors 7 0 0			
	„ School Excurtionists 0 7 6	7	7	6
	„ Catalogues sold	0	6	0
„ 19.	„ Balance due, York City & County Bank	68	13	6
		£212	7	0

1870.	CR.	£	s.	d.
Nov. 24.	By R. Robinson, Builder, on account	80	0	0
„	„ T. Varley, collecting Subscriptions	1	2	0
Dec. 1.	„ Mr. Martin Simpson, Curator	10	0	0
„	„ Mr. Brown, Glazier, glass for case	8	4	0
1871.				
Jan. 3.	„ Phœnix Fire Insurance	1	5	0
„ 9.	„ Mr. F. K. Robinson, for sundry payments	1	14	0
„	„ Mr. Smith's allowance on admissions	1	17	0
	£ s. d.			
Feb. 2.	„ Mr. Nicholson's bill 0 16 0			
„	„ Mr. F. K. Robinson's ditto 0 11 0	1	7	0
„	„ Messrs. Agar & Sons, new cases	24	13	6
„ 14.	„ Mr. Trueman, Painter	6	17	0
„	„ Messrs. Lockey & Clark, printing	4	14	0
Mar. 2.	„ Mr. Brown's two bills	8	14	0
„ 31.	„ Mr. R. Robinson, Builder, on account	50	0	0
June 16.	„ Mr. Smith, for rates	4	2	0
„ 30.	„ Interest charged by Bankers	1	18	4
Oct. 19.	„ Extra cleaning, postage, envelopes, &c.	0	4	2
„	„ Mr. G. Kitching, for stuffing birds, work in the Museum during alterations, &c.	5	15	0
		£212	7	0

October 19th, 1871,

CHRS. RICHARDSON, TREASURER.

SILVESTER REED, PRINTER, OLD MARKET PLACE AND WEST CLIFF, WHITBY.

MEAN TEMPERATURE AT WHITBY,

Taken at a Quarter before Nine o'Clock every Morning, with a Thermometer by Negretti, hung against a North wall, 190 Feet above the sea; together with the amount of Rainfall and the Number of Days on which some Rain fell, for each year.

	1867.	1868.	1869.	1870.	1871.
	DEG.	DEG.	DEG.	DEG.	DEG.
January	35·19	39·06	40·30	37·10	32·35
February	42·82	42·72	43·64	35·78	41·10
March	37·22	44·	39·45	40·	44·
April	48·48	48·83	50·70	50·40	46·20
May	52·36	59·13	49·61	56·19	53·35
June	58·76	63·10	57·43	61·53	56·30
July	60·64	64·93	63·73	65·71	62·61
August	63·03	64·03	60·58	61·80	65·51
September	57·33	59·20	58·46	56·06	56·40
October	48·55	47·03	49·84	49·09	49·58
November	43·53	42.96	42·20	40·13	39·76
December	39·16	43·45	37·71	35·55	
Mean of each Year	48·92	51·53	49·47	49·11	
Mean from March 21st, to September 22nd	54·87	57·92	54·59	54·25	55·77
	INCHES.	INCHES.	INCHES.	INCHES.	INCHES.
RAINFALL	25·02 on 185 days.	25·90 on 179 days.	23·93 on 190 days.	26·08 on 176 days.	

Dec. 1st, 1871.

BRIT. MUS. 15 JUN 29 NAT. HIST.

MARTIN SIMPSON.

BRIT. MUS.
15 JUN 29
NAT. HIST.

THE FIFTIETH REPORT

OF THE

WHITBY

Literary and Philosophical Society,

PRESENTED AT THE ANNUAL MEETING, 27TH OCT., 1872,

WITH THE

LAWS AND REGULATIONS OF THE SOCIETY,

AND A

LIST OF OFFICERS AND MEMBERS.

WHITBY:
WILLIAM NEWTON, PRINTER, &c., BAXTERGATE.
1872.

BRITISH MUSEUM
NATURAL HISTORY

FORM OF A BEQUEST TO THE SOCIETY.

Every person desirous of bequeathing to the Society any Sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following Form :

"I give and bequeath to the Trustees, for the time being, of the Whitby Literary and Philosophical Society, the sum of
to be paid out of such part of my personal Estate as I may legally charge therewith (here enumerate effects or property intended to be bequeathed). And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy."

REPORT.

In the Report now brought forward, we would observe that the Whitby Literary and Philosophical Society having been set on foot in 1822, the present year 1872 is the 50th, or "Jubilee year" of the institution. *

Since the last annual meeting, an improved arrangement among the larger objects in the museum will be perceived.

During the past season, the collection has been well visited ; and judging from the many with whom we have come in contact, a greater portion than usual were of that class for whose benefit the advocates for the spread of intelligence, have recommended the formation of museums and kindred institutions. To the growing interest in those matters among the general public in different parts of the country, the press of late has frequently alluded ; the pursuits of Geology with its wonderful types of former life, being among the most prominent. On our liassic fossils, one who seems to quote from what he has read, remarks, that at Whitby, situated as it is in the centre of the Yorkshire Lias, a great object with the founders of its museum, has been to make it the treasure of such choice specimens as that formation affords. The large Saurians, he adds, are particularly

* The printed proposals for forming the Society and a Museum, are dated November 28th, 1822.

interesting, as the rocks from which they were extracted can be seen in the neighbouring cliffs.

One of our members, Mr. Dotchon, has lent to the museum for exposition, along with a comb inscribed with Runic characters found in this quarter, a variety of ancient British implements and objects from his valuable collection, the fruits of his own researches in the parts about Whitby, chiefly in former years. They belong to the class of arrow points, spears, saws, drills, and sharp edged flakes or knives of flint, with celts of stone, beads of jet both ball and barrel-shaped. Also glass beads streaked in different colours, deemed by some to be Druidical, but which more probably, are due to a period later than the term will imply. Here among the lias fossils, we doubtless take the lead, but in those relics of a people's art of the kind enumerated, which mark the occupancy of a place in pre-historic times, our museum is deficient ; and the surprise is sometimes expressed that so little has been obtained to which so much interest is attached, as the yield of the *houes* or grave-hills and other earth works with which this neighbourhood is surrounded.

In April last, communications were received from the South Kensington Science and Art department in connection with the popular educational movement, for forming classes in the Whitby district, when arrangements were made for our Society's supervision of the same. An examination committee with Mr. Martin Simpson as secretary, was then appointed, and their services continued during the space of the session. Lieut. Col. H. Wray, R.E., came to preside at this the first meeting of the candidates, and those

who were successful, afterwards received certificates that their work had been duly registered. The same superintending committee have been appointed for the forthcoming session.

In November last, a lecture was delivered before the Society by Mr. Hallgate, on "The Theory of Education"; another subsequently by Mr. Martin Simpson, "On the Sun"; and recently Dr. Dowson read a paper on Dr. Beddoes, and Sir Humphrey Davy.

The amount received for admission to the museum for the past year is £10. The donations appear on a further page.

The Institution has now existed for half-a-century, and the annual Reports collectively. form a chronicle of its progress. Changes follow in the lapse of time, and lately from the list of our honorary members,we have lost the distinguished name of Sir Roderick Murchison. Some of us remember the zeal of our Society's earliest promoters ; and on the present occasion which marks the period referred to, we would repeat the names of Young, Bird, Ripley; Belcher, Mewburn, Moorsom, Holt, Sanders, in this the place of their proceedings and that of our assemblage.

RULES AND REGULATIONS.

1.—The Society shall be called THE WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, for supporting a Museum, and for promoting the interests of Science by such other means as may be found practicable.

2.—All Subscribers of *One Guinea*, and upwards, on admission, and *Half-a-Guinea* annually. may be Members of the Society ; and Subscribers of *Five Guineas* on admission, and *Half-a-Guinea* annually, or of *Ten Guineas* at one time, without any annual Subscription, shall be Governors of this Society.

3.—The Businsss of the Society shall be conducted by a Patron, a President, two Vice-Presidents, a Treasurer, two Secretaries, and two Curators, who, with the Committee of eight Members, shall form the Council of the Society.

4.—The Council shall meet on the first Thursday of every month, or as often as necessary, three Members forming a quorum.

5.—All Governors shall have a right to attend and vote at the Meetings of the Council.

6.—A General Meeting of the Society shall be held on the last Friday in October in each year, for electing a new Committee, receiving the Report of the Retiring Committee, auditing the accounts of the Treasurer, and transacting any other business. Special meetings may be called by the Council, or by any seven Members. a week's notice being given.

7.—The Museum shall comprise collections of Fossils, Antiquities, specimens of Natural History, and other miscellaneous articles, whether of nature or art ; to which may be added Scientific Books, and Philosophical Apparatus.

8.—The Museum shall be open for the Inspection of Members, Subscribers and their families, on such days of the week, and under such regulations as the Council shall appoint. On special occasions the Curators, or the Secretaries, may admit Members, Benefactors, or Strangers, on those days when it is usually shut.

2.—All new Members shall be admitted by ballot at a General Meeting of the Society on such terms as that meeting shall appoint ; but the Council may at any of its meetings, admit to the benefits of the Institution, Subscribers paying *Twelve Shillings* yearly in advance. Such Subscriber shall have no share in the property of the Society, nor vote at its meetings, nor hold office in it; but shall have the privilege of introducing Strangers and Members of their own Family to the Museum, and of attending Lectures, on the same terms as Members of the Society.

10.—Gentlemen who have rendered important service to the Society, may be elected Honorary Members, but such Honorary Members, unless Subscribers, shall have no share in the property of the Society, or in the management of its concerns.

11.—The Museum may be open to the public under such restrictions as the Council may deem necessary.

12—Every Member shall be at liberty to sell or dispose of his share; and if not previously disposed of, it shall at his death, descend to his representative ; but the Society shall decide by ballot whether the purchaser or representative shall be admitted as a Member of the Institution. When any share is transferred, all Assignees of a Life Governor shall continue to pay the annual Sub-

scription of *Half-a-Guinea* or *Five Guineas* in lieu of Subscription.

13.—The Annual Subscription shall be paid to the Treasurer, in advance, in the month of November, or within a month after the General Meeting in each year. If any Member neglects to pay his Subscription before the Annual Meeting, he shall be excluded from the benefits of the Institution until all arrears due on his share be paid up; and if any Member neglect paying his Subscription for two years, he shall, after due notice given him by the Secretary to that effect, be excluded from the Society, and forfeit all right and interest in the property of the Institution.

14.—If any Member, or any one introduced by him, shall cause any damage to the property of the Society, such Member shall make good the loss or damage so sustained.

15.—Any Member who is guilty of improper conduct towards the Society, or persists in any breach of its laws, may be expelled, after means have been used by the Council without effect for bringing him to order; but such expulsion shall not take place without giving him a month's notice, nor without the concurrence of three-fourths of the Members present at a Meeting of the Society held for that purpose.

16.—Every Member, on his admission, shall sign an obligation binding himself to conform to the Laws and Regulations of the Society so long as he continue a Member.

17.—These Laws may be amended or enlarged at any General or Special Meeting of the Society, such amendments having been submitted to the Council for their consideration, at least two months previous to the meeting.

18.—Members can borrow or take away from the Museum books belonging to the Society, by permission, and under regulations sanctioned by the Council.

RULES FOR ADMISSION TO THE MUSEUM.

Adopted by the Council and Confirmed by a General Meeting.

1.—The Museum shall be open every week-day by application at the Baths.

2.—Any Member or Subscriber may introduce, personally or by a written order, a friend or stranger residing above ten miles from Whitby. All persons not so introduced, not being Honorary Members, Benefactors, or belonging to the household of Members or Subscribers, shall pay *Sixpence* each for admission ; Children and Servants shall be admitted at half-price.

3.—The names and abodes of all Visitors, with the names of the Members introducing them, shall be entered in a book for that purpose.

4.—No person shall be permitted to handle the specimens, or take a stick or umbrella into the Museum, or anything likely to occasion damage.

5.—The Museum shall be open to the public on the first Monday in each month, from 11 to 1, under the following restrictions:—

6.—The admission shall be by Ticket given by Members or Subscribers.

7.—Children under 14 years shall not be admitted unless under the care of an adult.

8.—All who thus visit the Museum are expected to conduct themselves in an orderly manner.

OFFICERS FOR THE YEAR 1872.

Patron.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

President.

THOMAS CHAPMAN, Esq., F.R.S., F.S.A.

Vice-Presidents.

Rev. J. B. BRODRICK, A.M.

C. RICHARDSON, Esq.. St. Hilda's.

Treasurer.

CHRISTOPHER RICHARDSON, Esq., St. Hilda's.

Committee.

DOTCHON, Mr. W.
DOWSON, Dr.
OWEN, Rev. J.
PANNETT, R. E., Esq.
RIGG, J. J., Esq.
STEVENSON, Mr. J.
WILSON, Dr.
TURNBULL, THOS., Esq.

Governors by Subscription.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

BARRICK, H., Esq.
CHAPMAN, J. B., Esq.
CHAPMAN, T., Esq.
CHAPMAN, E. W., Esq.
CHAPMAN, W. R., Esq.
HUNTON, R. M., Esq.
NOEL, E. F., Esq.
RICHARDSON, C., Esq.
St. Hilda's
STRICKLAND, C. W., Esq
SIMPSON, Mr. MARTIN
SMALES, Rev. GIDEON
YEOMAN, W. H., Esq.

Secretaries.

TAYLERSON, Dr.
ROBINSON, Mr. F. K.

Curators.

YORKE, Mr. ALGERNON
SIMPSON, Mr. MARTIN

MFMBERS OF THE SOCIETY.

THE MOST NOBLE THE MARQUIS OF NORMANBY.

Atkinson, O. A., Esq., L.L.D.
Anderson, Mr. Francis
Barrick, H., Esq. (West Side)
Bagnall, C., Esq.
Belcher, Thomas W., Esq.
Brodrick, Rev. J. B., A.M.
Bryan, Mr. Thomas
Chapman, T., Esq., F.R.S., &c.
Chapman, Edward W., Esq.
Chapman, Joseph B., Esq.
Chapman, W. R., Esq.
Cholmley, Mrs.
Corner, Mr. John
Dotchon, Mr. William
Dotchon, Thomas, Esq.
Dowson, John, Esq., M.D.
English, A. W., Esq., M.R.C.S.
Frankland Mrs.
Glover, Rev. John
Hallgate, Mr. H.
Horne, Mr. Ralph
Hunton, R. M., Esq.
Huntrods, Thomas, Esq.
Keane, Rev. William. A.M.
Lockey, Mr. W. G.
Marshall, Mr. B.
Mead, E. Preston, Esq., M.D.
Nicholson, Mr. J. B.
Newton, Mr. William
Noel, E. F., Esq.
Owen, Rev. John
Pannett, R. E., Esq.
Percival, Thomas, Esq.
Richardson, C., Esq., St. Hilda's
Richardson, J. B., Esq.
Richardson, Thomas, Esq.
Readman, Mr. T. H.
Rigg, John J., Esq.
Reed, Mr. Silvester
Robinson, Mr. F. K.
Sherwood, E., Esq., M.D.
Simpson, Mr. Martin
Smales, Gideon, Esq.
Smales, Rev. Gideon
Stephenson, Thomas, Esq.
Strickland, C. W., Esq.
Snowden, Mr. Matthew
Stevenson, Mr. John
Stonehouse, Mr. William
Taylerson, J. Esq., L.R.C.P.
Trueman, Mr. Thomas H.
Turnbull, Mr. Edwin
Turnbull, Thomas, Esq.
Usherwood, Wm., Esq., A.M.
Wilson, John, Esq., M.D.
Yeoman, John, Esq., M.D.
Yorke, Mr. Algernon

ANNUAL SUBSCRIBER.—BARKER, JOSEPH, Esq.

HONORARY MEMBERS.

Agassiz, Professor Lewis, M.D.....*Neufchatel.*
Acheson, Rev. Henry, B.A., F.C.P.S. .....*London.*
Barlow, Rev. R. J.....*Hutton Rugby*
Beecroft late Governor—The Family ..... *Whitby.*
Cockburn, Edwin, Esq. .....*London.*
Dikes, W. H., Esq. F.L.S. .....*Wakefield*
Fryer, William, Esq. .....*Newcastle.*
Leckenby, J. Esq.....*Scarborough.*
Lee, John Edward, Esq. .....*Hull.*
Philips, John, Esq, F.G.S., &c. ....*Oxford.*
Robertson, Mr. W. .....*Newcastle.*
Sedgwick, Rev. A., D.D., F.R.S. .....*Cambridge.*
West, W. J., Esq.....*Tunbridge.*
Williamson, Mr. J. .....*Scarborough.*
Williamson, Thomas W., Esq. .....*Beverley.*

DONATIONS

PRESENTED TO THE MUSEUM SINCE THE LAST REPORT.

J. REED APPLETON, Esq., Durham.—Part xii of Tweddell's Bard's and Authors of Cleveland.

A. O. ATKINSON, Esq., L.L.D.—A fine specimen of the female Capercailzie, *Tetrao, Urogallus*, Norway.

Mr. ISAAC BATE.—A silver penny of Edward I.

CHAS. BAGNALL, Esq.—Fragment of granite from the Sinaitic Range. Fragment of a Mineral curiously streaked, from the desert of Sinai. Fossil Echinus said to have been found in the Lybian Desert, near the Pyramids of Gizeh. Fossil wood from the Petrified Forest near Cairo. A large fine specimen of Hæmatite.

The late GOVERNOR BEECROFT'S Family.—Cabbooceers stool and foot-stool presented to Governor Beecroft by the King of Dahomey in 1851.

Rev. J. B. BRODRICK, A.M.—Sixpence of William III. 10 cent piece of Napoleon III, 1854

M. GOULY de Chavilles.—Symbols of Language.

THOMAS CHAPMAN, Esq., F.R.S., &c.—Proceedings of the Antiquarian Society, Nos. 2, 3 of Vol. 5. Earl Stanhope's Address and list of Antiquaries, 1872.

Mr. WM. CLARK.—Pair of Pattens of antiquated shape.

Mr. ROBT. M. CORNER.—A Prussian coin. Congressional Directory of the forty-first Congress, third session.

Mr. DALTON, Cliff-street.—Specimen of the *Euplectella speciosa.*

S. DIXON, Esq., Cornhill, London.—Fine specimen of the Duck-billed Platypus, *Ornithorynchus paradoxus*, from Australia.

Mr. WM. DOTCHON.—Ancient Lock from St. Michael's Church, York.

EDINBURGH ROYAL SOCIETY.—Their Proceedings for the Session 1870-71.

S. GARDNER, Esq., Sheffield.—Crested Cormorant or Shag, *Pelicanus cristatus.*

W. H. GLADSTONE, Esq., M.P.—Education Reports 1871, 1872.

Miss HEWSON.—An Indian Idol. 5 Roman coins.

Rev. D. H. HAIGH, Erdington.—His "Yorkshire Runic Monuments," in which the Whitby 7th century Comb is engraved and described.

HULL LITERARY AND PHILOSOPHICAL SOCIETY.—Their Report, 1872.

G. T. KNAGGS, ESQ.—A piece of wood from Jerusalem.

Mr. MACNAUGHT.—Fac simile in lead of a Jewish Shekel with a Hebrew inscription, found in the fallen part of Henrietta street.

Mr. MAGREGOR.—A Tail of hair cut from the head of a Chinese Pirate.

Rev. JOHN OWEN.—Wellbeloved's "Eburacum."

Mrs. PATTEN, Ontago, New Zealand.—Four specimens of *Hippocampi*, a description of Pipe Fish.

Mr. THOS. H. READMAN.—The little Crebe, *Colymbus minor.* Female Teal duck. *Anas crecca*

SMITHSONIAN Report for 1870.

Mr. SPEEDY.—The Kite, *Falco milvus.*

THOS. STEPHENSON, Esq.—A fine female Partridge, *Tetrao cinerea.*

Dr. TAYLERSON.—Six Roman coins from Aldborough, near Boroughbridge.

Lieut. H. C. WALKER, R.N.—A Sword and Krease from an Arab slave Dhow, with a club from Zanzibar on the east coast of Africa. Native cloth made of the bark of the wild fig tree from great Nicobar Island in the Bay of Bengal. 37 recent shells from Ceylon. A portion of an Elephant's tooth.

The Treasurer in Account with the Whitby Literary and Philosophical Society.

1871.	DR.	£	s.	d.
Nov. 24.	To Subscriptions	27	7	6
„	„ Bath rent, half-year	17	10	0
1872.				
April 6.	„ Library Rent, half year...	11	5	0
Sept. „	„ Bath rent, half year	17	10	0
Oct. „	„ Library rent, half year	11	5	0
„	„ Visitors	10	0	0
„	„ Catalogues sold	0	9	0
„	„ Balance due to York City & County Bank	163	16	3
		£259	2	9

1871.	CR.	£	s.	d.
	By Balance of last account	68	13	6
Nov. 24.	„ Mr. Simpson, Curator	10	0	0
„	„ Mr. Varley, Collecting Subscriptions ...	1	2	0
Dec. 21.	„ Mr. Smith's allowance on admissions ...	2	3	0
1872.				
Jan. 8.	„ Mr. Marr, Fire Ins....	1	5	0
Feb. 2.	„ Mr. Trueman, Painter	5	12	0
„	„ Mr. Robinson, Builder	103	0	0
„ 8.	„ Mr. Nicholson, Ironmonger	1	17	9
„ 10.	„ Messrs. Agar and Sons.	28	5	0
„	„ Mr. Brown, Glazier...	17	16	0
„ 20.	„ Mr. Reed, Stationer...	3	7	0
„	„ Mr. F. K. Robinson, for sundries... ...	2	1	0
Sept. 5.	„ Mr. Smith, for rates...	3	2	0
„	„ Interest charged by Bankers	6	3	6
„	„ Sundries for stuffing, &c., to Mr. Kitching	4	15	0
		£259	2	9

October 19th, 1872,

CHRIS. RICHARDSON, Treasurer.

WILLIAM NEWTON, PRINTER, BOOKSELLER, &C. BAXTERGATE, WHITBY.

MEAN TEMPERATURE AT WHITBY,

Taken at a Quarter before Nine o'clock every Morning, with a Thermometer by Negretti, hung against a North wall, 190 Feet above the sea; together with the amount of Rainfall and the Number of Days on which some rain fell, for each year.

	1867.	1868.	1869.	1870.	1871.	1872.
	DEG.	DEG.	DEG.	DEG.	DEG.	DEG.
January	35·19	39·06	40·30	37·10	32·35	40·
February	42·82	42·72	43·64	35·78	41·10	42·41
March	37·22	44·	39·45	40·	44·	43.45
April	48·48	48·83	50·70	50·40	46·20	48·66
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RAINFALL	25·02 on 185 days.	25·90 on 179 days.	23·93 on 190 days.	26·08 on 176 days.	24·54 on 173 days.	38·62 on 234 days.

Dec. 2nd 1872

MARTIN SIMPSON.

BRIT. MUS. 15 JUN 29 NAT. HIST.

BRIT. MUS.
15 JUN 29
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